

<110> Ruben et al.

<120> 83 Human Secreted Proteins

<130> PZ012P1

<140> Unassigned

<141> 1999-01-26

<150> PCT/US98/15949

<151> 1998-07-29

<150> 60/054,212

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tcaagttcaa ctggtacgtg gacggcgttg aggtgcataa tgccaagaca aagcccgagg 240
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<211> 271

<212> DNA

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gcccttaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
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<213> Homo sapiens

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<211> 73

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgctcgc gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
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gggccccctc cacagatccg catcctcaag aggccacca gcaacgggtg ggtcagcagc 240
cccaactcca ccagcaggcc cacccttcca gtcaagtccc tagcacagcg agaggccgag 300
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ttgcantgc	gtggcagaca	ctgggacttg	agcagaggga	acgacctgac	ttacttgcac	600
tgtgatcccc	cttgcctccg	ccactgtgac	cttgaacccc	atgcactgtg	caatcccccc	660
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tatactcccc	tccccgagct	aagtcccagg	gcactctggg	cttgccctgga	gacttgggcta	1260
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<213> Homo sapiens

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tgcgggtcgc	aggctagccc	caggttccgc	cacgtcaaat	ccattttcta	aaaaagcagg	180
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 ctgtccccc tggagagcca ccgtgacggc cagcgcanag catcatggac gtgcggtccc 180
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 <211> 955
 <212> DNA
 <213> Homo sapiens

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 aatgtcgaca ctggcctaa gaggttactca tccatttaaat aagtattcca gcagatacag 840
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<211> 1508
 <212> DNA
 <213> Homo sapiens

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ccggn						545

<210> 18
 <211> 602
 <212> DNA

<213> Homo sapiens

<400> 18

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ggaagctct	taaccaccag	caagaccaga	agtgggtga	tcagcagtc	aggaagccc	180
atgttggtc	agtcctccg	cctagccct	ttggaagt	ttctccaaa	gggaattgt	240
ccgaaaagt	agggattgaa	accaaaccg	cacatcctg	cacagagtg	ctctttatg	300
ccccactgc	caagaaatca	cagcttctg	actcagtgat	gactgtctg	cttcagttg	360
ggaaaacaat	gaagtctgt	agccaggcg	ggtggcagat	gtctgtaac	ccagctact	420
gggaggctg	ggcaagagaa	ttgcttaaac	cccgggaggt	ggaggttgca	gtgagccgag	480
atggcgacac	tgactccagc	ctgggtgcca	gagcgagact	ctttgtctca	aaaaaaaaa	540
aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaagaaa	aaacgcgac	600
ga						602

<210> 19

<211> 587

<212> DNA

<213> Homo sapiens

<400> 19

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aagaatttgt	gcacaaaagt	cttaactgtt	ttgcagcctt	ggttgtggtt	agatgctgta	180
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ttcacttttc	aatccagatg	acacttgttc	ataaagaaat	tgctaaactt	gagacctaaa	360
aacaaaaaaa	aaaacaaaaa	aactacagac	aagtaacctt	taaaaattat	tcgcttgatg	420
gaaattttac	ggagggtctt	aaccaattca	gtttgtcttag	actcataaag	aaaattatga	480
taatgtctag	gtaaacttca	gcaaacattt	tttttgtgaa	attatactat	agtcataaaa	540
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<210> 20

<211> 644

<212> DNA

<213> Homo sapiens

<400> 20

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acctctcccc	tattttctaa	tacacttctt	cttcactctg	ggccagctac	actaaccttc	180
ttgtgtgttc	ttgtataact	atcagacaca	ttcttccctc	aagctatttg	tatttgctat	240
tccttcaaat	aacctttatg	cttggttcta	acatctctca	aacctattgt	cagatgtaca	300
ttccacatg	actctttacc	ttaacactaa	caaaaaataa	ccgtctgcgc	tgactctctt	360
ctttttctgc	tttattttcca	ccccatatac	ttatggcctt	caaatatgct	ataaatgttt	420
ttttatttat	attttttgta	tctgtctcta	ctaaaaatac	aaaaatttag	tggtgtgtgt	480
ggctggcaac	tgtaatccca	gctacttggt	aggcttaggc	agaagaatca	cttgaacctg	540
ggaggcagag	gttgtagtga	gctgagatcg	cgccactgta	ctccagcctg	ggcaacagga	600
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<210> 21

<211> 1257

<212> DNA

<213> Homo sapiens

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<400> 21
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aaaaggagag gtagatacac tcagtgtcac ttcaggacac ttagggtttt tttgtataaa 180
aatcttaaat gaattaaaaa aaggaaaaaa aaagcccaaa cttaacctct gagaaaaaac 240
ataagaactc aaggagaaca taagagaaaa ggaacctgtg tacagaaaaa acaagaatct 300
gtgttttgga atgagtcctt tcttgggtat tgaactttta gttttgtttg cccaaggatt 360
aattgaggaa atcagctaaag aaaatggact ttagacaaaa gcaagaggat cagatgaaga 420
aaaggagagg tagatacagt cagtgtcact tcaggaaaagc tatttaaaaa aacttgaat 480
ttaaactgaa gaagaaacaa caacaaaaaa gccctaacct agcctctgaa caacacatac 540
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tgatttggga tgagtctact ctaggatttt caacttttta gttttgttcc ttcaaatgtg 660
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tgatataaag tcagctcata ttctggaaat gtttatatta aagtgtttta atttcta 1257

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<210> 22
<211> 541
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

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<400> 22
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atagactaca ctgataaaat gtactggata atgccacatc ctatatgggt ttatagaaat 180
atgccaagga aagtacattt gtttgcttgt cttttcattt tgtacattct tcccattctg 240
tattctctga caaaagatct cattgaaaat ttaaagtcac cataatttgt tgccataaat 300
atgtaagtgt caataccaaa atgtctgagt aacttcttaa atccctgttc tagcaaaacta 360
atatgtgttc atgtgcttgt gtatatgtaa atctttaaatt atgtgaacta ttaaatagac 420
cctactgtac tgtgtcttgg acatttgaat taatgtaaat atatgtaact tgtgacttga 480
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a 541

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<210> 23
<211> 567
<212> DNA
<213> Homo sapiens

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<400> 23
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aaagactctc aagtacctgc caattatatt gccacatttt ctaggaaatg cagcttttag 180
caattctctt ttgattccaa tgaaatcaac ctagctcagc taattatta ttgattagat 240
gagaataaag tcttaatacc aaaggctgac caagagaaaa tgcttgaaat cagatgttga 300

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ctgattcagg	cgggttctat	cagtttgggc	aagttgctag	ggagtggaca	ggaagcttga	360
ggacatcaca	aaagaatcca	taaaggaccc	atgatgcatt	gagagacaga	tacataagaa	420
tggctgggca	tagtagaaca	gatctgggtat	cattacagta	aatctccatt	atatggagtt	480
atctagaaac	attatcttcc	ttgctggctg	aagaacata	gtacccctcc	aactaccctc	540
aaacaaaaaa	aaaaaaaaa	actcgta				567

<210> 24
 <211> 586
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (550)
 <223> n equals a,t,g, or c

<400> 24						
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gggtgcagac	acctagaagg	agagacttct	tggaaacgtc	atcccccgct	atacctcccc	180
ttcctcctgc	atctccctct	ctttccttcc	ccctcaggag	agagaaaact	tagtgcttcc	240
agccctctct	ggagccttca	tggtccaggg	gtagggggcc	cactggcctg	agcatgccoat	300
tttgagggga	gggtagtgtg	gcctacttat	cccttgccag	aggggatgcc	aggaccatgg	360
acatgaggct	tgcccatccc	tgccaactta	cacagcctgt	accactgtcc	ccccttccct	420
ggctactttg	acatgtgcct	gctcctggca	tttcaataaa	accgggcttg	ggctctgaaa	480
aaaaaaaaaa	aaaaaaactc	gagggggggc	cgggtamcaa	ttcgccctat	artgaatcgt	540
attaaaaatn	aatgggcggt	cgttttacaa	agtcgtgact	ggggaa		586

<210> 25
 <211> 1510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> n equals a,t,g, or c

<400> 25						
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gaagatgata	ggattgatga	cgtgctgaaa	aatatgaccg	acaaggcacc	tcttggtgtc	180
taactcccc	aaagacaatg	agttaaagga	gagaataaga	acggcggtaa	cagttattgg	240
caaaaagcat	gaaaagagaa	agcaactttg	aatttattac	tagcttgcta	cccacgatga	300
aatcaacaac	ctgtatctgg	tatcaggccg	ggagacagat	gaggcgagag	gaggaggagg	360
aggaggagaa	ggctctgggc	tctctctgca	aaataaaaaa	aaaaaaataa	ataaaatatt	420

aaaaataata	aaaattcact	atatacacat	ataaagaat	aaaaagaagt	ctcagttgca	480
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gatctggtat	tgtgaacctg	taatgaagcg	gcaacaccag	gtgttttgag	gtgttggcat	600
tcttcgctga	tttggtctgt	cccaatgttt	acattattta	atcttgcaaa	aatggttctg	660
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gattttattt	taaaatgagt	tgtaaagctt	gtgtttcttt	gttgctgcga	gctatctgcc	900
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<210> 26

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 26

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tcocgcacca	gcaccccagc	aaaatccccg	tgatcatcga	cgctacaag	gtgtgagaagc	300
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tggttcaagat	catccggcgc	cgctgcagc	tgaacccac	gcaggccttc	ttcttctgtg	420
tgaaccagca	cagcatgggt	agtgtgtcca	cgcccatcgc	ggacatctac	gagcaggaga	480
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<210> 27

<211> 1273

<212> DNA

<213> Homo sapiens

<400> 27

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cccccttcgc	tgttccatct	agccacacag	gagccatgga	agtgagcag	cccagcagcc	180
ccactgaaga	ggaggaggag	gaagaggagc	actcggcaga	gcctcgccgc	gcactctgct	240
ccaatcctga	aggggctgag	gaccgggcag	taggggcaca	ggcagcgtg	ggcagccgca	300
gcgaggggtga	gggtgaggcc	gccagtgtct	atgatgggag	cctcaaacct	tcaggagccg	360

gccctaagtc	ctggcagggtg	cccccgccag	cccttgagggt	ccaaattcgg	acaccaaggg	420
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aaaaaaaaat	cga					1273

<210> 28
 <211> 780
 <212> DNA
 <213> Homo sapiens

<400> 28						
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<210> 29
 <211> 819
 <212> DNA
 <213> Homo sapiens

<400> 29						
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gctaagaata	attcaggccg	gcagcagcag	cagagagcag	agagactcgc	aaccagacct	180
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cagaagacat	cagccaaact	cacgagtcag	agtcacaggga	ttgtcactat	tatttaataat	720
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819

<210> 30

<211> 608

<212> DNA

<213> Homo sapiens

<400> 30

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actgtactcc	agcctgggca	acatagcaag	aacctgtttc	ttaaaaaaaa	aaaaaaaaaa	600
aactacga						608

<210> 31

<211> 1217

<212> DNA

<213> Homo sapiens

<400> 31

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gccaccagct	tggtacttcta	gggactttcc	tctcagccag	gaaggatttt	gatattcattc	180
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<210> 32

<211> 765

<212> DNA

<213> Homo sapiens

<400> 32

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<210> 33

<211> 752

<212> DNA

<213> Homo sapiens

<400> 33

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acaattattt	tgagattcat	ttatgttawt	gtatgtatca	atagttccat	ccctttattg	600
gtaagttaaca	tttttttgta	taggtatacc	atgatttgtt	gatgaacaaa	tttacctgtt	660
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<210> 34

<211> 2265

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2162)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2258)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2265)

<223> n equals a,t,g, or c

<400> 34

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<210> 35

<211> 643

<212> DNA

<213> Homo sapiens

<400> 35

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<210> 36
 <211> 1302
 <212> DNA
 <213> Homo sapiens

<400> 36						
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<210> 37
 <211> 2708
 <212> DNA
 <213> Homo sapiens

<400> 37						
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<210> 38

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> n equals a,t,g, or c

<400> 38

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aaactcga 608

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<210> 39

<211> 925

<212> DNA

<213> Homo sapiens

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<400> 39
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<210> 40
<211> 1219
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (90)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (599)
<223> n equals a,t,g, or c

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gattcaatgc	taactgtgtc	aacagtattg	tgaagtgtac	attttctgtg	aaacttgttaa	1020
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atattaacac	tgtggtcagg	tacattcctt	aaaactaatt	aaatgtacat	ttctcataata	1140
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<210> 41

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (371)

<223> n equals a,t,g, or c

<400> 41

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tggctcaggt	ttattgattt	tgtctgtttt	accctatcca	ttaatcaata	cactgtaatta	1680
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<210> 42
 <211> 798
 <212> DNA
 <213> Homo sapiens

<400> 42
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 gtgagctcttc cttaacagccg agaccaaggt caaggaagga aaaaaataag ctggcttcca 120
 gagctgtctgc gttaaagaag aaagcccaagt atgaagctaa taaagtgaat ttatggggggc 180
 toaacacaga atatgataat ttattgtttg taatcaactc catcaagcaa gagatgttaa 240
 accgggttaca gaattccaaga gatgagagag gaccacaatc ggggcagaag cttgaaatcc 300
 tcattaaaga tactctcgga tttgtcctac agcttagtat tgtggttgac agcgatacta 360
 gggctgacag cacagaagt acaagagaag agtgaaggag caagaattca aagcatttgt 420
 tcatacaatg tggcaacctc ttttgcatag ttgcgtagga tccgtgttgt aatgctatca 480
 taaatattct gtatgttttt tttttctct cccaactgga gctatgacac tttttatttg 540
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 aattatccca ttaaatgtgt gttaatagtt gtgcagtttt tcatttcaga tggaaaggca 660
 atgcacaatt tgccctttgt ttctgtcacc ttccaacccc tgagcacttc tagtcagata 720
 cagattcctc agtgtatgca acatcctttg taatttaaaa taaaaaaga tgaaaaaaaa 780
 aaaaaaaaaa gggcgggcc 798

<210> 43
 <211> 693
 <212> DNA
 <213> Homo sapiens

<400> 43
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 caacattttg cttccatcct attgatccta atagtctttg cttccctaag caatccattc 120
 ctaaaccaat aactggcag aaaaataaga ttaccatgat tggctctagg ggttgccaaa 180
 ctttttctta aagggcaaga cagtaaatat tttatgtctt gcagctctatc tggctctctgt 240
 tgcacaattt caactctgct gtaaatagca caatagacaa taaataaata aataaataaa 300
 tggatgtggc tgtatttttg taaaacttaa tttacagaag caggtggtaa gcccatgggc 360
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 aatcmactgg ggacttgtta aaatacmaga tcccatctct gktgctgggt cagcatattt 480
 gggatagagc cagtgaaatt gcatttctaa taatttccca ggtaatgctg aggcgtgtga 540
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 gtttcacagc atccctggcc tctacccact agatgccagt agccaccctg cctctctctc 660
 agtatgacga gaaaaaaaaa aaaaaaggcg gcc 693

<210> 44
 <211> 1358
 <212> DNA
 <213> Homo sapiens

<400> 44
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 gtagaagggt ctgtcagttc tctctctcct tgccctctgg ragggtcttc ctaacatagc 180
 ttccaggagg tgggaggagc agttactgtc agcagggtgc agccttctcc cagcttctcc 240
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 cctgcctgga gacaagtatc tgcagtgtga acctggcagc ctcagaccca aggggtcag 360
 aggaaacttc tctggtttct agagctctgt gctcctctcag agaagctctc ttccttcca 420
 ctgagtgttc ctgtgaagct gggatactca tttccttgtt accggggcaa caccggattg 480
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gtaccgccct	cgaatttttt	gcaatatctg	tgtaccaact	gtccattttac	taataaaaga	1320
agttttcttt	aaattaaaaa	aaaaaaaaaa	aaactctga			1358

<210> 45

<211> 965

<212> DNA

<213> Homo sapiens

<400> 45

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cagaggaaga	gggtggaagag	tcttcaccac	tgcgaagacc	accaagccag	gcagcaggga	120
ccaccctgtg	tccagaccct	aaggcctatc	agcttcttct	agccccagct	gcctgcctgc	180
tgggcctgtt	ggcsgccacc	aacgcgctga	ccaatggcgt	gctgcctgcc	gtgcagagct	240
tttctctctt	accctacagg	cgctgtggcct	accacctggc	tgtggtgctg	ggcagtgctg	300
ccaatccccct	ggcctgcttc	ctggccatgg	gtgtgctgtg	caggctcctg	gcagggtctg	360
gcggcctctc	tctgctgggc	gtgttctctg	ggggctacct	gtgtgcgctg	gcagtcctga	420
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cggtc						965

<210> 46

<211> 791

<212> DNA

<213> Homo sapiens

<400> 46

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tgagcgcgcg	tgtctctcag	gtcacacctg	agtagcacga	ctctcccgcc	ctggacgcac	180
gctgcacatc	gctgggagct	ggacaacctg	ctgatgccta	gtccccagct	ctgccccccg	240
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agctctgcgc	tctacaccca	cggctgtggc	tgtgtgaggt	ctgcacacaa	cattacctgt	420
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catgcagacg	gctgctatga	catcctgtgt	ccttaaagtg	cggggttctct	cgctgccttc	660
tcctccctaa	ctggcaccct	gtgcacacct	gtgcagaga	acagtgctct	gggcagtcgc	720

atagtctctcc agttcaccaa cagtaaaaaat ggtctcaatg gggagagaaa aaaaaaaaaa 780
 aaaaactcgt a 791

<210> 47

<211> 770

<212> DNA

<213> Homo sapiens

<400> 47

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acctgctttc	atctttttgca	atgaatagaa	tactctccta	cttagaaaca	ggctttttct	180
ccttgccact	ttatttttttc	cttacctatg	aattgcatgt	gcctttgatg	aaaacaatga	240
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ccagtgatca	taggctttgga	aatgaactaa	tcacaaacctg	agtaatttgt	ttatagtacc	360
tcctttcact	tttgttttatt	ggttatctaca	gtctctcatt	ctttttcttt	aatactattc	420
ctttatcatg	aatttttat	tcagccatga	ctctattatt	tcaatagtca	cattaccact	480
tcgaggattg	ataccatgaa	aaaagggttat	ctagttagtt	tgagtgaaga	tacgaggcac	540
accttcaata	ccaataagaa	ggtatacaac	aaagggtctaa	tgagaaaaaa	tatctcattt	600
tgaggtgagc	acatagcttt	caactgactg	ggcctgttat	ggtcttttgt	gtgtttgtta	660
tcacagttac	taatatgtgaa	gtggtaatta	ctttcttttag	tagaaattcc	aagatctaaa	720
ttggtacaca	tataaatatt	tgacaacaaa	aaaaaaaaaa	aaaaactcga		770

<210> 48

<211> 875

<212> DNA

<213> Homo sapiens

<400> 48

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gtgtacaaagc	ttttcgggoc	cgggtaggag	tggcatggct	cttatggaag	ttaaacctatt	180
aagtggcttt	atgggtgcctt	cagaagcaat	ttctctgagc	gagacagtga	agaaagtggga	240
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taatatctct	gctgtgtgaa	actttaaagt	ttcaaatacc	caagatgctt	cagtgctccat	360
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gtctctctgt	gaccttttga	gtgatgtcca	gggctggcgt	ctcttgagg	atggagcttc	480
aggctcccat	catcamctctt	cagtcatttt	tattttctgt	ttcaagcttc	tgtactttat	540
ggaactttgg	ctgtgtattta	tttttaaagg	actctgtgta	acactaacat	ttccagtagt	600
cacatgtgat	tgtttttttt	tcgtagaaga	atactgcttc	tattttgaaa	aaagagtttt	660
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agattttctc	acctgatctt	tgtgtggaag	atcgaaatga	atgcagtgtg	gtgtctatat	780
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gtattacttt	agaaaaaaaa	aaaaaaaaaa	tcgaa			875

<210> 49

<211> 614

<212> DNA

<213> Homo sapiens

<400> 49

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gagagcgcca	ccaggctcgg	ctaatttttg	atgttttgta	gaggcagggt	ttcaccatgt	180
tggccaggct	ggtctcagac	tcttgataaa	ataaatgatt	aattgtggca	ttttgttttt	240

caaaatgaga	attgtgttta	aaatgcaaaa	gagggaaa	aagtttatatg	taattcttct	300
atatattagct	tttattttac	ttcatgtgga	gtctgggtaa	aaaattcata	gaagacagaa	360
gacttggtgt	ctagtcttgg	cctgaaactt	ttagctgtca	caactggggg	atgctgttgg	420
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ttacagggtg	aagggtttata	caaatataat	taaagctctt	tttttatatt	aatgtggaaa	540
aatgttattt	tggttcccat	gagaaactgc	tactatttga	aattttaaaaa	aaaaaa	600
aaaaaaggcg	ggcc					614

<210> 50

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (513)

<223> n equals a,t,g, or c

<400> 50

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gccagaatat	accaaaccag	atggcaggct	caatctggcc	tctaggctac	ctagtctact	180
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ttgaatatgt	ttgcttttgt	catattgggt	ttcataacat	ccatgtggcg	ccagaccata	420
agcttacatg	tctccagtag	tgaggaaagt	tctctgtaag	aactctaccc	aaggagccat	480
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ctggggcgctc	cgttta					556

<210> 51

<211> 1003

<212> DNA

<213> Homo sapiens

<400> 51

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gcgttggcgc	cgccctgttcc	cccaccactg	gtcactgact	tgccgttctt	tttccacttg	120
tcgcccgtct	tgtttgcctt	ggaaccgcct	ttgcccggact	tgaccgactc	agcatctgat	180
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gagagtctcc	cgcgcttggt	gcaaaagctg	atgagaccga	gattgtggag	aaaattttca	960
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<210> 52

<211> 886
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 52
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 aagccttgga ctttgagggg acagaaagcc accagccaat ggagaacaaa gagatgttcc 240
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 gcctctccat gaactgcaga aggcattgtt tgcattgtta ccagtaagt gctccctctc 540
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 gagatagtca ttttggggac ataacagtgt aggaatgaaa catggatttc attgatattt 780
 aaatctgtca atttcatttt ttgttaattg tttccctga tgacttttta gcaatttaac 840
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<210> 53
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 53
 tcgagttttt tttttttttt tttttttgag acagagtctt gctctgtcgt ccaggctgga 60
 gtgcagtggt gcgatgtcgg ctactgcaa cctccacctc cccgggtcaa gcaattctcc 120
 cactccagcc tcccaggttg ctgggattac cagagaagag gctgaagggt aaggagggaa 180
 aggaatttgt tcccaggtcc atggacctct tgtgaagccc ccattgctgt ggggtctgag 240
 gaacacacaga ggaggtgtca gctgctctgc ctgccccac tcccttgcca acaactgtat 300
 aacctctgtg cctaacctct gagccctggc ctccaaccc gggagggagg tacttatgtt 360
 atccgcatgt tgcaactgga gctcagaggg gcagccactt gccaggccag caatccaggc 420
 tgtctgtctc cacagccagc gcccccagtc aacaacttgc caggtgcccc tctccaggcc 480
 tcggctcttc caactgtggg tcaagagcac caggcttgtt cttagagctat cttctcagac 540
 ctgatgtggg ctgctgccga attc 564

<210> 54
 <211> 933
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (425)

<223> n equals a,t,g, or c

<400> 54

gttgggtttt	aatcctgggt	ttgacactta	ataaactgca	tgatcttggg	aagacatgt	60
aacctctctt	tcaatttctt	tatgtgtaag	atgcttataa	tagtattcac	tttgtagata	120
cttattattg	aaggactaaa	attatgaata	tgtgctggca	aataccaaac	tttatattaa	180
tacaagtgtc	atcagaatat	gtacatatat	taatagtaat	tgttaccaaa	acaccagggg	240
ttcaatctgg	gtcctgtctg	tcactgcaca	gaaagccaat	gcctgagaca	acaagtgttg	300
ccaaggaaga	aggcttaatt	gggtgctgca	gccgaggaga	tggggagtca	gtctcaaatc	360
catctctctg	acagaccaaa	actggctata	tagcazggaa	gaaatgtaat	catgtgtggg	420
aaaancrgga	actcagaagg	ggcttgggaag	caatcatgtt	gaatcagcgt	ccacatttta	480
ttgtctggat	gtgatctggg	gagtttcatt	tctttgtatc	tttttttgag	aggcctgaag	540
gtcatttctt	gaggaaggat	ctcagataaa	acaaatataa	gtttc aaatg	ttaagaccag	600
aaagtccaat	ttctatgttt	atttatctct	ttttttaaaa	aaaaaagcta	tatgggactg	660
ttgggttggg	ttcataatgg	ctgagttact	tgaaggttct	gtggttgcat	gaatggagaa	720
gatagatgga	tgggtgggga	ctttaaaaa	ggatgatcca	ggaatgcctt	gaagttagaa	780
cttgaagaa	tgagaaatag	caagtatatg	gggtggcata	gaaaaagcct	ccagattgaa	840
aagcaaaagg	aaagaggatg	tcttgtgcag	agaaagcatt	tgacaaaatc	gaatgcctct	900
tcatgttttt	aaaaaaaaaa	aaaaaaaaact	cga			933

<210> 55

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> n equals a,t,g, or c

<400> 55

cttgccatat	ancaagctga	attacctcat	aaggaacaaa	gtggagyta	gcgkgtgcgc	60
cgctctagact	atgatccccg	gctgcagaat	tcggcacgag	cagtccagaa	actgcgtgcc	120
ctgcctcttg	cttgggcccc	tctaccagta	tgtccagcat	gtgcccgggg	gccctcagct	180
ccccctgggg	ccagccccac	caagacacag	ctctgtgtcg	tgaacatgaa	gatgagccaa	240
actctagtgg	ctcttctctg	aagaaatgag	aatgcccagc	cacacccatg	cacgctttgt	300
tcttttttat	ttaatactga	ggaaccggag	tggagggggtc	ctgccggggt	gcagtgaccc	360
tgagggaagt	caggagagcc	ctgggctgca	gaagagtcct	cccacaggct	ccgaagcaag	420
ctgtctctgg	tgactccaga	ctgctccacg	caggcttttg	gccctcactc	tccagatccc	480
agagagccct	ccagggctcc	cagctctctg	gccagtgccc	amgtctctcg	agggggggccg	540
gtaaccaatt	gcctctatag	tgatgcgtat	tacaattcac	tggcgcgtct	tttcaaa	597

<210> 56

<211> 773

<212> DNA

<213> Homo sapiens

<400> 56

gaattcggca	cgaggaccag	gcccctgcga	tgtccccaaa	gcctcagctg	tccgtctcca	60
cactcactgt	ggcgctcagc	ytcatcccag	gaacctgact	gcctgtctcc	ccaggcggaag	120
gcttctatg	caaaagccat	gcagcatcgc	acgggtgtat	cttgagcaca	gctgacttga	180
cagaaggact	caactgtcca	cattaccgar	gactgaggta	tacggaaatg	ttctgttttg	240
gcttcttcaa	ggaggggaa	tgaaacccaa	ctaaatccaa	ggtgcctctt	ccaacgcctg	300
taactaaact	tcaagcatca	cagccccaac	acctgctgat	ggcaccattt	taactgaggt	360
ccatcccgca	agcttcccga	ctgtccacac	tggctctctc	tactctctgt	caccaaaag	420
acaagccaga	ataaatggat	aaaagacagt	gtatgcgcac	gcctgtccca	gtaccaccag	480

aggctgaggg	atgagaacccg	cttgaacccg	ggaggcagag	gttgagtgga	gccgagacgg	540
cgccactgca	ctccagcctg	ggagacagag	cgagactcta	aaaaataaat	aaataaatta	600
aaataaaata	taataaaaa	taaaaagata	gtgtaggcta	caaacctcag	gaagaaaaata	660
ccagcatgac	ttcagaatag	tcagammtaa	tggtgtataa	agttctcccg	gtcctctctc	720
accacactcc	atcaatccca	ccctatctct	aacccccagg	ttctctgttc	ctc	773

<210> 57
 <211> 733
 <212> DNA
 <213> Homo sapiens

<400> 57	
gaattcggca	cgagctggct
ttcccccac	caccttaaca
gggtttcctg	gccaaagagc
agggatggag	atgatgatgg
tggtgatggg	gtgtgtgcaa
ggcccgagg	aggggtgtag
tggaagatg	gggaagagc
cacgccccct	gccactagtt
tcttattcga	ttactactct
gtagagaaat	ttgagacgca
tcacctgacc	catccgtcaa
ttcgatctcg	gcactctaaa
gcaccagagt	cagtgtctgg
gaaacacta	tttaaaaaaa
ttccagcttt	aacctcatta
agcctctgtt	ttcccatctt
taaaactacg	acagactgga
gacttgttaag	agataaatct
aattctttca	tagacattaa
tgatccttga	aaaaggatca
tttgaggggac	atggagattg
gtttctactg	tttctgttgt
tactaacact	cctcctttcc
caaggccctt	agaaaagggg
gagctctcca	tcacagaaag
tattcacata	gggttccagg
aatttttttg	gaaaatgttc
ctgcttttag	taagacacag
gactagatca	gcgtttggca
aactatggct	cgtggggctaa
attccgcccc	tctcctgtgt
ttgaagataa	agtggaacac
agccacgctt	actcgttgac
agagtctacg	gttgctttgg
cacacagact	cga

<210> 58
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (506)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (520)
 <223> n equals a,t,g, or c

<400> 58	
tgccggcccg	ctctaggaac
tagtggaatc	ccccgggctg
gcaggaaatc	ggcagcagac
ttccacaaca	tcttcattgt
ctactgacaa	ccttactctt
attcttactg	agaccaaata
aaaaaatcag	atgagttatg
cccatcacgt	cacggtatcc
ccaaactacc	tgccctctgtg
cacaccacat	cactgcctcg
tgccagttact	gtcccaggcc
agcgccctctg	cccattgact
ggagcctgtc	cctccaccct
tttcaagcat	gttactctat
caataaata	ttccctttctc
ttttgcatta	tcagtttttg
tatctctctg	ttggcccccac
cagcactatt	accocatgca
tattagcttt	taaaaaaatc
tctcaatctc	acatttatct
ccaacgttta	catcattctt
ttgctgcact	ttgtagaaaa
ataatttgaa	ttttctgtat
ctatttctac	ttccttactt
cccattgttt	cttgaactca
ctcgaagggg	gggcccggan
ccaattcggc	c

<210> 59
 <211> 852
 <212> DNA

<213> Homo sapiens

<400> 59

gaatttcggca	cgagtgaact	gcattgtccat	ttattcttaag	ccaacacctc	tacttatgta	60
ctagatccca	ttctttcttc	tccctcttct	ctcttgatt	agcaacattt	ccttctcttta	120
ctgtaccgta	taaagatgct	atattttctc	ccatctttaa	aaaagaaaaa	gtctctcttta	180
accctatatc	tccctccagc	tactaaactgt	atwktctctc	tgtgctttta	agaaaaaaaa	240
atgtgtgtgt	gtgtgttttc	ttttgttttg	ttttgtttgt	tgtgttttgg	tatggtctta	300
acggtctctg	tttgtcacc	aggggtggagt	gcagtttgtt	gattgtgggt	cactgcagcc	360
tcagttctct	gggttcaccg	gggtcaagtg	atctctcac	ctcagctcct	gaataccttg	420
gaatacagcg	atgtgtgtgc	atgcctgtgt	agagaaacgt	tcttgaacg	ttctatatac	480
taataatttt	taattctctg	ccttccattc	tttcttgaa	ccactccaat	cagattttta	540
ttcttgccat	ttcttataaa	ctactcctat	gaaggtttat	tgtggccttc	atttttgtat	600
gtttactcca	agaaaaattg	tgtgataaat	tacccagaa	tgtagagggt	taaaaaaact	660
atttattacg	ctcatgagtt	ttgtgcatta	gaaattcaga	caagacacag	caggagcagc	720
ttctctgttc	cacagtattc	ggagccttgg	cttgaagatc	aaagcctagg	ggcttaattg	780
tcagaaatga	tctgtgtgat	gtctgggagt	tgataccagc	gtttgtcttg	gaacctcagt	840
tcctttctctg	cg					852

<210> 60

<211> 680

<212> DNA

<213> Homo sapiens

<400> 60

gaatttcggca	cgagaaaaaa	acaaaaatat	gttaaatatc	tgtggagaat	attggtattt	60
ttgttttaat	cttctgtggg	ttgtgtgttc	atataaatc	agttttctga	gtcttggcag	120
tgttattcag	atctgtccca	caagtgttcc	accattgttg	cagttctggg	tctgtgtgta	180
ggtctactca	ttatctcagt	tatcagagtt	tttattatgc	caatttggtat	cagattgcta	240
cctacacagg	tgtaggatga	gccagcagtt	tataaaacaa	cattatgtggg	tcactttctc	300
atggacagag	agagaagaaa	aaaaacccaa	aacaacagag	tttgtctctc	acccttggag	360
gcacggtctc	acaggattgga	gagaaaggtt	cccttctctc	aaaagttttt	ttcttggagg	420
ctttccattc	ccagattctt	ttgtgtgttc	tgctgcccc	accatggatg	acctggggac	480
tgacacatga	gagtatggag	ttttcccaag	ctgcttgagc	cagttggctca	cacctgtaat	540
cctagcactt	tgtgggggat	aggggggarg	ataacttgag	cccaggagtt	ttaggtttgtg	600
gmagactgtg	attgtgccac	tgcattctag	cctgggcaac	agagttagat	cctgtcaaaa	660
aaaaaaaaaa	aaaaactcga					680

<210> 61

<211> 894

<212> DNA

<213> Homo sapiens

<400> 61

tcgagggttag	actgcataga	aaacaatttc	agatttctctg	gaggtgcat	aaaatttaac	60
tatttaaaga	taattaaaga	agcattaaaa	ataagaagat	tatcatctcc	agcaaaaatat	120
agaaagttagt	acagtgaaaca	aaatataatt	agagaatttt	tgctcaaga	aaacctctt	180
tacattgttaa	caggaaaaaa	tgtgtgtggg	ttttaccaaa	ttttatttta	gaaatgataa	240
ggaataaaga	agttctaaatg	gtttccaaat	ctagtatgtc	aaaaatggaa	ataagtgat	300
aatatctaaa	agtgtatgaat	caacaaatag	ctrtagctcaa	tggtattttac	atacatagaa	360
ctaaatatta	gaaggaacaa	ccaagaatt	gaacatcttt	gcctgtgaag	agtcacttag	420
ggaattcgaag	ggaaaaagcag	actgatgctt	tttttgtctc	agcactatgc	gatttttaaa	480
attgtttccc	cacaatatat	tgatacaact	aaaaatttat	ttaaaattaa	aagtttcttc	540
agtcctctcc	tctgtcaaat	ctttaaaaga	tgaaagaatc	atatctattt	tccaagtcag	600
tctaaacaaa	gttttaagtc	catgcctgag	attttatcca	cagcgtacag	caacatttct	660
gtcttgccaa	attgagtttg	ttcagcagct	tagaaacact	ggcaagatac	aaaactagtg	720

caagcatatt	ttatttataaa	aatagtcaga	caacatcttt	caaacacat	tggttagttt	780
tcatacaaaa	tgcaagtttt	atcagggtat	attttttattg	taaaccttttc	aaaattatttt	840
ttaattatgt	gggcattttt	tatgtctaac	tttatttgca	ctcgtgcca	attc	894

<210> 62
 <211> 691
 <212> DNA
 <213> Homo sapiens

<400> 62	
gaattcggca	cgagatccta
atcctccaag	agcaccagga
aaagaaaagc	aagtatatca
cttctgatag	tgaagatgto
tcaacaaaga	tacagtgtatt
ttcttaccat	ggcagctaga
aagaccttaa	agatgctaaa
atgatttact	taagggttata
ctgcattcag	tgctatagtt
aagatattaa	ctattaaatc
taacttttta	atagatgagg
gcgaaaaaaa	aaaaaaaaaa
	aaaaaactcg
	a
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	691

<210> 63
 <211> 891
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (398)
 <223> n equals a,t,g, or c

<400> 63	
agtgaataaa	cacnttacct
cttatggtta	aaatatccct
cctgttttga	ggggcatgtg
cttttgcttc	ctggcatttg
gtcctcttcc	caagcatttg
tctactagat	ccactctcca
tctagccttg	gccacgtatg
ctagaattaa	aaagctttac
agcagtaact	aaactttagt
atctttggct	caacctctag
aaatctgcac	ttcaacagta
tttaagggct	caccacagcc
tcattatttg	ttcccaagact
ttcctgaatg	taaccagcca
caaggctaga	ccaaccagaa
	cctctatatt
	cttcacactg
	aaccggcacg
	a
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	891

<210> 64
 <211> 958
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<400> 64
 gaattcggca cgagcgccca cctagtgcac agccttagag gtgttacagg taaaggaatg 60
 gcggctcaga gggaaggaga gacttgccca acttcagggc aagctaaccg ttgatttcaa 120
 cttgataaat ttctgagtat gcagtgagggt cacatagcag agacaggtaa tgagaagatt 180
 tctttttttc tttttttttt ttgtgggggg tggggacaga gtctcactct gtcaccagg 240
 caggagtgtg gtgggtcaat ctccgctcac tgcaatctcc cccaccccca cctccagggt 300
 caagcgattc ttgtgctctc gcctctctgag cagctggcac tacagggtgca cgccamcacg 360
 ctgggctaag ttttgtattt tagtagggat ggggtttcac catgtttcac gtttcaccat 420
 gttggccagg ctgggtcttg actcctggcc tgaagtgtac tgctgcctnt cagtgtccca 480
 aaagtgttgg gattacaggc gtgagccacc gcactcggcc gagaagtttt tctgattaaa 540
 aaaaatttta aggcacacac ttacagacagt ggcgtgtgag gaacctctgt ctgtatttaa 600
 actgtcgcct cgtgcacatc accccattac ttactctgtg ctaagtctgt tcatgcatta 660
 catcattact ccttagaaca ggccctatgag gtggagtctg cattaggccc attttgaca 720
 aggacaccaa tagtgtgga gggtgtgtac cttgcccagg cccccagcag gtaagtgggt 780
 ctggggatta ggaccacagt cacttgagtc catatcctgg gctcttagtc ccactctgcc 840
 tggctgcctg ctgtctccatg aagccaaacc tggacccata cctggacctg gatcgcata 900
 gccagatcc ctgtgtgctt cccaggctgc cttgtggcag gtggatgggt cccctcga 958

<210> 65
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (291)
 <223> n equals a,t,g, or c

<400> 65
 gaattcggca cgaggaaata tctgaaaact tacatctgtt cttgtgagac acatcattgc 60
 tttagcgtca gtgacctaac cacacgaact aagaattttt aaaaagtact cttgtaggta 120
 tgttttatga cgttcagggt cccagccatt cctcggaat gtgttttttt gctttttttt 180
 ttgtttgttt gttttgttt ttgatgaatg agtctaagg ctgagtggct atcaacaact 240
 tcttttttgt ttacattgta ttatgaaaaa aatataaaaa cctgtgtgac ntctcttgtt 300
 ttcttttcta tagttttggg gaacagggtg gttttttkta cctggataag tcttttagtgg 360
 taattttctg gattttgggt tgcccatac cccycctgt actttaaaat gagtaagtgt 420
 tgaaaaatgc aactagtgtt ctatttagag ggtcctcata aagtaacaaa atgatacata 480
 acacatttgc acagcaagtc ctcaacttaga gttgtagata tgttcttgaa aactgcgact 540
 tcaagtgaac caacatataa caaaactaat ttaccatag gctggtgtac acaaacaga 600
 gcttagttcc taccacacat tactgtgcat aaaaacatga ccaaatctct aactaaagac 660
 caaaagattc ctaataataa acatcgagat aaatgtgagc tatacctacc ttaagaagag 720
 attagtgtaa acaagtaagg taatttactc agttattcta gttcaggact gttggtagcc 780
 agagcctgtc ctggcagctc ga 802

<210> 66
 <211> 1092

<212> DNA
<213> Homo sapiens

<400> 66

gtcacacggt	cgaatagctc	cttcttctca	gtaatacaag	cttttttggg	ttgaaatatg	60
gacccctctc	ccagcataat	aatgtgattt	tttttattca	ttttatgtta	ttatatccac	120
atttttactt	aaagaaaaat	gctgctat	gtgatgaaat	tgctcgtctt	gaggaaaaat	180
ttctttaaagc	aaaagaagaa	agaaggtgag	ctggcttcat	tttgtgttca	gcataccctt	240
tttgggtgatt	gatttgggtga	ttgataatgg	tggtactgct	ctggagactt	tttttcccag	300
ttgggattgat	gcgtatcgca	cagccctctg	gccacttgat	caagcacaga	gaaacttaca	360
gctgaggcca	ttgggtgctg	cacacccaag	ttatgttggg	ccatggcgat	gagacagctc	420
ctctactcat	ctttctgaaa	aagccatctt	gccacatcta	ataaaatact	ttacttaagat	480
tattttaatct	tatggcccaa	ttataaaagc	caagtgataa	aagcaactgc	ctctcgttct	540
acaaatatatt	attctgtacg	tactattctg	tgcaaaagcac	aatgggtata	tatacatgtg	600
taataaatgt	gcctttcaga	agcctaacac	cgctccaacat	caaggtagag	gaaccgtcca	660
gatgcaagag	ataagctaca	gttcttatcc	ttggccctct	gaagtattga	ttatccctcca	720
gggctttatg	attcataggg	cctaataaga	acctttcttt	tatgagtata	gtaattctttg	780
tatataattc	tggcttttcc	cagtacttga	gtaaaaatct	gaattgagac	aatacgggaag	840
ttctattctc	tgctcctttc	cttctctgatc	tcagggtactt	gctaaagaag	ctcctccagc	900
ttcaggctct	aactgaaagg	gaagtacagg	ctgcagctcc	ttcccacagt	tccagtttgc	960
ccctgactta	tgggtgtggc	agctctgtgg	gaactataca	gggagctggg	cctatttctag	1020
ggcccagcac	tggggctgag	gaaccatttg	ggaagaaaac	taagaaggag	aaaaaaaaaa	1080
aaaaaactcg	aa					1092

<210> 67

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (396)

<223> n equals a,t,g, or c

<400> 67

gaattcggca	cgaggtgaat	ttaatctccc	ctaatagact	atggattatga	gcattctgtc	60
atgtgctcat	tggccattta	tagatctact	ttagagaaat	gtctattcaa	gtcctttggc	120
catgtttttg	ttttgcttca	ttttttattt	taggttcaag	gggtgaattg	gcaggttttt	180
acaacgcatgt	attgcaagat	cctagagctt	gggcttctaa	tgatcctgcc	acccaagttag	240
tgaaacatagt	accacaatagg	gagttttcaa	cgcttgcctt	cctttctcct	ccccactttt	300
ggaattccctg	gtgtccactg	ttcccgtgtt	gtgccatgtg	tcccagctgt	tgagctccca	360
cttatgagtgt	agaacatgtg	gtttttgggt	tctgtntctg	catttaattca	cttaggataa	420
tggcccccag	ctgcatctat	gttgccacat	tgtacatgat	ttcatctctt	tttctggctg	480
tgtagtattc	cataatgtat	atgtaccaat	tttcttttct	tgctttttca	gagacagggt	540
ctcactctgt	cacttagcgt	gaagtgcagt	gacatgatca	cagctcattg	cagcctcaac	600
ttcccagggtg	caagcaatcc	ccctatctca	gcctcctgag	tagctgggag	tgcagttgac	660
taccaccaca	cctggctaatt	ttttgtattt	ttggtagaga	cgaggtttca	tcattgttgc	720
caggctggctc	tcga					734

<210> 68

<211> 701

<212> DNA

<213> Homo sapiens

<400> 68

gttttttgtgt	atctgtctta	ggctttttta	tttgaggtta	ccattaagct	tgcaataaac	60
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atgttataag	ccattatggt	aaagtgatga	cagcactgat	tgaaaaagaa	aaaaacaaat	120
taacaacaaa	gcacagagat	aactaataac	actacattta	atttttattcc	ccttttttaac	180
ttttttattt	tttataat	atagtgtctat	gtcttgaaaa	gtgtgttag	ttattatttt	240
gataggttta	tcttttagtc	ttctacaca	agatatgagt	agtttacaca	ctacaattgc	300
agtgtcataa	tattctgtgt	ttgtctgtga	gttttgtacc	ttcagacaa	ttcttattgc	360
tcctttttct	ttcagaatga	agaactccct	ttagcatttc	ttatagcata	ggtctggtgt	420
taatgaggtc	cctcagcttt	ttgtttacct	gggaaaaatct	ttattttctct	ttcacgtttg	480
aagtctattt	ttactggatg	tactattcta	ggatgaaagt	tttttccctc	aacactttaa	540
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tgtgggagct	catttgatg	ttatttggtt	cttttctctt	actgccttct	tttaagattc	660
ttctttttac	cttgaccttt	gggagtttga	ttattaaatg	c		701

<210> 69
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 69	
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gaggtccccc	cggtgtcccg
aggtgaaaagg	gscggggccg
ggcgggggctg	agggagagtc
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agcctccgct	cctttcccg
tgacaacaac	accgaatctg
ttctcgtgcc	gaattc

<210> 70
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (644)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (718)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (719)
 <223> n equals a,t,g, or c

<400> 70	
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ctgggagtg	gtgagacgag
gtcatgtgc	gagcaacaa

60
 120
 180

tattctgttg	ttctgtggg	gagagtcaca	taaaggtgat	ggaggggtgc	cccttcaact	240
ctattcccca	gagcaggaag	tggtaggcag	gggccaagaa	tggattttta	agggcaaatgt	300
ctcagaccaca	gtgggaactc	gaactggtaa	actctcctca	agctcccaag	gacagaggat	360
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cagcttgtga	tttagaaaaa	tgcatctcatt	caataaacat	ttactcgagca	gctacggggcc	540
aagtacgggt	cttcacagaa	gatttagggc	ggaaaaagac	agacaggagc	cttctggccct	600
gaggttttcca	ttctaggagg	ccctttaaact	tcagactctc	agantaacac	agctatgat	660
tactcactat	tcctctggaa	cacgagccaa	aagagagtgc	tgctcagatca	agacaatnng	720
g						721

<210> 71
 <211> 793
 <212> DNA
 <213> Homo sapiens

<400> 71	
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ttaaaattttt	ttctacctca
agaatgtgga	atttttcttg
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ccaacccaagt	gcaaaaattaa
tgacctctctc	tagatgtctc
ctgtttctctc	tgatgttttc
taattttttgt	tagtttctac
tattttatttc	accatctctgc
gggtgtgtgca	cactcctcact
tcacatctctc	tcataattaca
ggtctcctctc	acactcagtt
ggtgtttctct	cga
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	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	793

<210> 72
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 72	
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acctccaccac	tcaggaaagg
ccccagcccc	accaaaacct
gcagggtctgg	ctactgtggg
gagatctctca	acatttttcc
attttttggcc	aatccgtgtg
ataaagacaaa	gccatatctc
ggaaaggcta	ggaggggagc
gcagaccacca	gatttgaggc
cactgtgggg	agccatcagg
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	761

<210> 73
 <211> 673
 <212> DNA

<213> Homo sapiens

<400> 73

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ggactcggga	ggcctgccgc	gccgcaccga	gaagctgctg	tggtgtgatg	ttttgtcttc	120
ggagaggatg	gcactgtgcc	ctgtgcttga	tgtacacaca	catttggggg	gcacatctcg	180
gtgggcctgc	cagcctgtcc	gcactgttct	gtctcttctg	acagcctcca	cccaggaagg	240
ctctagacta	tctgggcatt	ttcaaacact	gccgcatcaa	actgatacaa	ctttccacaa	300
aggaagcaaa	ttatagagct	gagaccaaac	cagttttatc	ctcctccctt	accocacccc	360
cggcatattt	tgaatcaaac	aaactcttct	tgtaatgtcc	gctttccgga	cagttcccat	420
cccacagtca	ggcggcccatg	aatttgtttg	gaggcaacgc	tttccaagga	ggctgagatcc	480
atcgcccgat	ggtgtggctg	gtccggccgg	ggcacagtgc	agagctccta	cccgggaactc	540
tccttgacac	ctagtgtggg	agccaggcac	actgcacaga	cagacacatg	gctgagggtat	600
gaccctccta	gccaaccaaa	aggcaagcag	aggcgccacg	gatgcaagca	cgagaagagc	660
aacttgtcct	cga					673

<210> 74

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (64)

<223> n equals a,t,g, or c

<400> 74

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taanggggaac	aaaagctgga	gtccaccgc	ggtggcgcc	gctctagaac	tagtgatgcc	120
cccgggctgc	aggaattcgg	cacgagacag	gtgcatgcac	acgccactgt	gtgtgtgtat	180
gtgtgtgtgt	gtgtgtgtgt	gtaggggaat	cttagtctaa	agcatcccac	tgcaaaactaa	240
aagctctctta	aagtatatata	atgtcacaaa	aagtttaagg	atttttccat	tcttgttagc	300
atgtttcttt	taccattttt	ctcatttcaa	attactttga	ctttaaacgt	tcctgaaac	360
ttaaatatac	tgaggttctg	ggaagagcta	acatgccaac	atttctattt	tgatacacat	420
atctttcttg	caagctgctg	agtacctcca	gttaagaagc	acaggcctaa	actctcagtg	480
tacagcattg	ataaaaatata	ttccgagggg	gggcccggta	cccaattcgc	ccatatagtga	540
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<210> 75

<211> 801

<212> DNA

<213> Homo sapiens

<400> 75

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ttaggtgatc	ggcctgcctc	ggcctcacaa	aatgctgaga	ttacaggcgt	gagcacggcc	120
ctgggtctga	tttttttttt	aaatgcaaat	cagactatgt	cactcttttg	cttgaagctc	180
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tgggccctgg	ctttgcctcc	ctgtctctat	cttatcctga	actacgcca	gocctttctc	300
aaaccccgcc	cttgcctcct	ctgtctggaa	ctacctccc	aggccttttt	gtgccgttca	360
ttctcaagtc	acctcctcag	cgagccctcc	ttagtcaact	cccttcatca	ccctgtttgc	420

ttccttccca	ttatctgggt	tccttgagg	cttatgtctg	tctccccca	gtggaatgtg	480
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cgggtgcgtt	ggatgtggcg	ctggccggct	ggctgggggt	gccacctggc	gtgatattgtt	600
gtcacttgct	cacttgctct	agatgtctgt	tataaaagta	ctaatagaac	caggcacggt	660
ggtttatgct	tgtaatccca	gcattttgga	agcccaaggt	agggcaatcc	cttgagccca	720
ggtgtttgag	accagcttgg	gcagcagggc	aaaaccctgt	ctctactaaa	aaaaaaaaaa	780
aaaaaaaaaa	aaaaaactgc	a				801

<210> 76

<211> 982

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (615)

<223> n equals a,t,g, or c

<400> 76

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gccccctcca	atgagtcttg	aagagagaaa	acagaggccg	tggtccagtc	agtatgggga	180
gcactgttgt	cccgcacccc	cactgcgtgt	taaggtcagg	cgccacatct	tgtagtcagt	240
tgctttggcg	agtggtctca	gctttctcta	gtctctctct	gggcctcagt	ttccctgcct	300
gctggccaac	agagggccct	gccaactctg	gctgcctatg	accaggggtg	ctccagaggg	360
tgctgtgcctg	aggggtgcca	accctamctc	tctgcaagtg	aaactggggc	tgccamtcac	420
ctctctgggg	cctcagtttc	ctcttctgag	cattgaggaa	atttgggggt	ttccatgttc	480
cttcagtgca	gaaaccagat	gctgccatgt	cccccaacc	aaggcctcag	gaacagtgtc	540
ggatgggtcat	tttngagggt	ttctgtctct	gtctctccga	ktgaggtttg	cttggaaagc	600
taagaataga	atcnagcma	ggctgtaktg	gcggccagct	ggaacctgat	ataktcacat	660
atgagagact	gtaggcctgc	atgccgaccc	tctatggacc	agaaatgggac	agagggcaga	720
atatggccat	gctcttcact	ctcactcctg	ccccactgcc	ctcagccagc	ctctccttgt	780
ccatctgact	gaaaatcagg	gcattgtagg	tgatgggtttg	ggctgcagcc	aggtctgtgc	840
ctgtctgtgc	ctctgagctc	tgaggtcaaa	tggggactgt	ggaagaggct	gcttagagtg	900
gcagaaaacc	taccctggaa	tggggagctg	gctcagctgc	gggctcactg	tgtgagcctc	960
agcaacttgc	cattcccttc	ga				982

<210> 77

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 77

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aaattttctc	tgcaagacat	cctaaaaaat	ctctctcaag	ttcaaagttc	cacagatctc	120
ttggggcagag	acaaaaaatg	tgctagtctc	tttgttaagc	atagcaagaa	ttacctttat	180
tttgattccc	aacaagttcc	tcatctccat	ctgagatcac	ctcagcctgg	actttattgt	240
ccatctacat	atcagcattt	tggtcaaaat	cattcaacaa	gtcacttaag	agttccaaac	300
tttcccaagt	ctttctattt	ttttctgagc	cctccaaact	gttccaaact	ctgctattta	360
cccagttcca	aagtgtcttc	cacatttttg	agtatyttat	agcgsacccc	accctctgca	420
gtmccawttt	mccatattag	tcmtttttcm	cattactatg	aagaaatmcc	cagcctgggt	480

aatttattaa	ggaaagatgt	gcmattcact	cacwtctctg	cactaccagg	gagatctcag	540
gaaacttaca	tcmtggcaga	aggcaagaag	aagcagacac	cttcttcaca	gggtggcagg	600
acagagctag	tgcaagtagg	gaaaatgccc	agatgcttat	aaaatcaca	twctccatga	660
gaagtcactc	actatcatga	gaacagcatg	agggaacta	cccccatgat	ccaattgcct	720
ccatctgggt	cacccttcac	atgtggagat	tatgaatatt	accattttgag	agagattttt	780
aatggggagc	cagatccaaa	ccatagcact	gccttaagg	atctaataat	caaaactccca	840
aaggtcaagg	gaaaagaaag	gatttctaaa	atagcaagag	aaaagaaaca	aattacatgc	900
aatgggacac	caatatgtct	ggctgcagat	gtttcagtg	aaactttatt	ggtttaggag	960
agagtggcat	gacgtgctaa	aaaaaaaaaa	aaaaaactcg	a		1001

<210> 78
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 78						
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tgcttctctt	ctccctggct	ggtgggcatg	cagaatttct	tgacctctgt	gttccaacaa	120
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tcacaaataga	agtttgaaaa	ggcaccctct	agaggaacat	gcacttcttg	actggcccca	240
ggttccagct	tgggttgagg	ggcgtgccag	cagctccagt	tgaaacctct	cacattgaa	300
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cctcagcagt	gtgtgaggtc	cttatggagc	ctgcagtcac	aggatgatag	acaaaaagcc	420
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actgagaaaa	aaaagaggca	gacccatttc	ttctgcgggt	tgttttgtca	tccagatacg	540
cttactttgt	gcttatagct	gtatgatctt	ttttctctac	ctctaatagc	caggattttc	600
gcctcattac	ccatacagct	aaagcttaac	attaaactaa	tcagtgtgtga	attcctttcc	660
tttcccaccc	cgacacatct	agcgacattt	ttcataatag	ccagcagagg	tcagtgtgag	720
aacatagaga	ctacactcgt	gcggaattc				748

<210> 79
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 79						
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ttccctcctg	gtgagaagct	ctcccggtcc	tgccacattt	ggaaagactg	tatctgttcc	120
aggtctacac	atgtgacctc	atatgctgga	ccctgccgcc	tcagggacct	tcagagctct	180
ctttttctgt	agtcactcct	ttcttgactg	gtcactttca	gacccccact	gtgaaagcct	240
gaacaaaaaa	taattttctc	tgccctagag	gtgggtgaatg	agagaagagg	ttttttgttt	300
tccttgagcg	cacaaaaaag	agtttaataag	gattgttaga	gccatcagtc	tgccattaaa	360
gagcagattg	gtgtgtgaatt	gggcaccaac	aagaatgagt	aatatcttaa	ttaggtttaa	420
aaacgatggt	accttgcgca	tacatatgta	agattcccta	gagggaaagag	agggccattcc	480
ctgtttgtgt	aagagtatat	tccttaatta	acaaatgaag	cagcaataga	taaaaaataa	540
ataaataaaa	aacaaaaaaa	acaaaaaaa	aaaaaaaaa	actcga		586

<210> 80
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 80						
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ctactgatgg	ataaataaat	tatagtatat	aaatcacatg	gggcccgggtg	cagtggtctca	120

gccttccaaa	gtgctgggat	tacaggcatg	agccacaaca	tccagcccct	ttctctcttt	180
cttacccttc	tttctctatt	tcttttccat	tttctttccc	tccctttctc	ttcttttctt	240
aactattaag	gagtagattg	aattcaagg	ctttatgtgt	gtcagttttt	gtttttccaa	300
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ctccacacct	aagaagcccc	aaatccagat	gtgtccatta	aaatcagtc	agatctctct	420
taccaagcca	ctagatgtca	tattaatctt	acagcagaat	aggggaagcc	atgcgggagc	480
tgaaaacctg	caacaacaaa	aaagcatcta	aatactgcac	aaaaaaaaaa	aaaaaaaaag	540
gcggcc						546

<210> 81
 <211> 708
 <212> DNA
 <213> Homo sapiens

<400> 81	
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atatacaaa	cacaaaaacg
agattcaata	attccagctc
aagatacaaa	tgaggccaag
gtttctcaag	ttgagacacg
ctagocctta	tgggtaacta
gtcataaag	taactcttca
catatacaaa	atcatcaaat
agcttggaag	tattctatgg
gccatcatta	ccaataaag
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taaaaggcta	catcaaaaaa
	taaaacaaaa
	taacctcgtg
	cgaatttc
	708

<210> 82
 <211> 824
 <212> DNA
 <213> Homo sapiens

<400> 82	
gaattcggca	cgaggagaaa
agccttttca	gtttctcagt
tttattttta	ttttttttcc
gtttttttag	atttggtcta
gcagtgcttc	cgacgaatat
tcgtatgttc	cttctctcat
tggtcctgga	gaatttgggc
tcagtgtagt	tcttagttat
tatttagtgt	gataaaaaa
cagtaacttt	ggaggccgag
ccaagatggt	gaacctcgt
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gcagaggttg	ctagtagcca
actcgcgtct	aaaaaaaaaa
	aaaaaaaaaa
	aaaaaaaaaa
	tcga
	824

<210> 83
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (789)
 <223> n equals a,t,g, or c

<400> 83

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gaattcccat	agcactttac	tggtatttct	ttctagcact	taacagttat	gtgcctgcaca	360
tgatggttaa	aattttacct	tcctcttgag	actctgagca	cctctaggct	agggaaagggc	420
ttggtgcact	ccgtgtctct	tatacttggt	ggtaccaaac	cgagaagagg	atcaatatca	480
cttgaggagc	tttgaataat	agatttcttt	gggaggccga	ggtggggcaa	tcacagggtc	540
aggagattga	gaccatcctg	gctaagtcag	tgaagccccc	tctctactaa	aaatacaaa	600
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cccgtaacn						789

<210> 84

<211> 811

<212> DNA

<213> Homo sapiens

<400> 84

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agcctctctg	gctgagccca	ctcttagatc	tgtgaaaggg	cagccctctca	ccctgtcaca	180
gcacatcgaa	gaccttgctg	tgagcagaga	gaactgctcc	cactataggg	ctcagctttg	240
tcctccagcc	ctgcccctct	cagctccacg	ccttaccctg	atggctcttt	ctgctctcag	300
cttcccctga	gctgcccctt	tcattcctat	tgcccctcca	actaatgcag	cacagtctca	360
gtaagggtgat	ctgtaactct	ggctcagggg	cttctcaggg	ggactgaaga	gtaacatcac	420
atcccctgaa	cccatccagg	gagggggcgg	gctgggtcac	actgagtctc	cacttgaaag	480
aaagctgaac	ttaggccggt	tgtgctgggc	acggtggctc	acgcctataa	tcccaacact	540
ttggggaggcc	gaggcagggt	ggtcacctga	ggtcagggaat	tcgagaccag	cctggccaac	600
ctggtgaaac	taaaaataca	aaaaaattag	ccgagcatgg	tggcaggcac	ctgtgatccc	660
agctactcag	gagaatcgct	tgaaccggga	aggtggaggt	tgacgaagc	cgagatcaca	720
ccactgcact	ccagcctggg	cgacagagcg	agactccatc	tcaaaaaaaaa	aaaaaaaaaa	780
ctcgaggggg	ggcccgctacc	caatcgccca	t			811

<210> 85

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 85

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caccagaggc	cacctgtatt	ccctatccca	caacctagc	ccctccctct	atcttgaag	120
tggactatatt	catccccctg	ttctatcatg	acagtgcctt	ctctcatatt	gacctctctg	180
ctctataaga	ttccttggtg	ttacactggg	tccactctga	taatacaagg	taatctctcc	240
atctggagat	cttaataata	tcacatctac	aaagtccctt	tggtccattga	agtaacatat	300
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tacctttttt	ttacaccttt	gccaccactc	tcagctctgt	gtctcaattg	cagaccttta	420
cacttgctac	cccattgtct	gggtagtctc	taccagctct	caagactagc	ctcaggcatg	480
cctcttctgg	gaatacatcc	tcttacaggc	caggatatga	ctcatggggt	catcctaata	540

gcacttcact	tattttctact	gtcaccacac	tgatctgtaa	ttacttgatt	tgtctgactc	600
ttctgggggc	ttgtaagcat	tctgggcacag	agaactatga	cttactgggg	cttacatctc	660
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tgttaaagat	aaaagaatgc	agaccaggt	tgttcagaca	gaagcaagca	ccacatccct	840
gagagagcag	cacatctggg	cagccatgtg	tgagaagtcg	gttgccattcc	ccatacacag	900
ttgtcttttg	agctgtactc	ttaaccactg	taaccacaga	agtggggaaa	caatagggtg	960
gggtgaaagc	aaaagaaat	tttccaaaac	ttcattttatc	taataaatatc	agatatttaa	1020
aaaaaaaaaa	aaaaaac					1037

<210> 86

<211> 727

<212> DNA

<213> Homo sapiens

<400> 86

gaattcggca	cgagaggggt	ttagttttatg	tctctaactt	tagcaaagct	gcattccctat	60
tggaatgcac	actggaacaa	gctctcatct	ctacctttaa	agggctcttg	gaaagcagtg	120
tgacaaccaa	ggctcactaa	tggtgagatc	atcaagccat	tttaagttct	ttctcatgtt	180
attcaccagc	accctgcagg	acgttgggca	cacatcacat	ccctcagctc	agccatccag	240
ccgtctcagt	gattcaccac	tcatttgcct	aattaataga	cagggtttgat	cactttgtac	300
atggaagaac	ctgtgccagt	gaacaagcag	ttggaccagc	ccctccagta	gggaatggac	360
agctgaaaa	ccatgagcaa	gaaagaagga	aaaagaagga	gttctgagca	gccaaacctat	420
ttctctgatg	tttcagagcc	ttcattctga	gcattcagtt	tatgtctctcc	agtgtaattga	480
ctttatagcc	aagcacagta	attgatatta	ctgtgaagcc	ccttaacctta	tcaagaaatg	540
gttgaggccc	ggcacattgg	ctcatgccta	taatccagc	acgtggggag	ccgaggcagg	600
cagatcactt	aagcccagga	gttcaagccc	agcctggggc	acatgatgaa	agcccatctc	660
tacaaaaaaa	aaaaaaaaaa	actcgagggg	ggggccggta	cccattcgc	cctatagtga	720
gtcgtat						727

<210> 87

<211> 690

<212> DNA

<213> Homo sapiens

<400> 87

gaattcggca	cgagagcagg	gctaggtgga	catgaggagc	ccagttccagg	gctgtcacag	60
tagctccagc	agcagatgat	tgtggctggg	cctcccaagt	gtcacgttgg	agaaccggag	120
aaggggactt	ctttgggatg	tactctggac	ttgtttgatg	attaagtgtg	ggtgggggtga	180
ggaagagaac	tcaaaagatga	caccaggtgt	tggagctgag	ccacggggag	aagggtgcaa	240
agggaaagca	gtgcgggggg	tgggagggga	gagggtcagt	cctgttttgc	ttgtgtctga	300
tctgaggagc	ccctcacctg	tggaaaggaga	gcagtcaccg	aggcagtggtg	gtgtgcagtt	360
ctggaactta	gaagaatgat	cagggggctg	ggtgcagttg	ctcacgcctg	taatccagc	420
actttgggag	gccgagggcg	gcggatcaag	aggtcaggag	attgagacca	tccttggtcaa	480
catggtgaaa	cccgtctctc	actaaaaata	taaaaaatga	gcagcgcagt	gtggcaggca	540
cctgtagttc	cagctattca	ggaggctgag	gcaggagagt	ggcgtgaacc	cgggagacgg	600
agcttcgagt	gagctgagat	tgcgccactg	cactccagcc	tggggcgacag	agcgaactcc	660
gtctcaaaaa	aaaaaaaaaa	aaaaactcga				690

<210> 88

<211> 896

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (401)
 <223> n equals a,t,g, or c

<400> 88
 gaattcggca cgagaaattg agaaacatta atacaaagta agagacaaga gcctagtaac 60
 aaatgggtggc tcttttgagaa aaggaaatta ttacacaaat tttagactaa ctgaaggcat 120
 gccaaattaag caccagattt tgctcttaaa cttttttgga agctgagtag aaattatcct 180
 tttgttccat atgatgactt attaaataaa atactttgca caatatgtgc ttttagatgg 240
 agtaaaacac atacccttta aataattatt ttgattgcct atattcatat catgatgcta 300
 cctttttgca tttgtgcagt gtacatkgaat tattaactga gtgtttagaa atgctggatt 360
 ttaggtttca gctttgctgt ggggtgaagg aagtgggggg ncttctgttt gttggtgcca 420
 ggcattatgc tacatattat acatctgtta tctcatttga ttycccaaaa tctttaaagaa 480
 gttgaattat tatactcatt ttgaaaataa gaaatgaagc tttagagagg gaaagaacagg 540
 tttaaatcct ggctgtaagc cctttgggct ttggttttcc taactagggg agaggaaataa 600
 tagtgaatga aataacaatc atctgatgat ctttgtatatt ttactgacgg agtagaagcc 660
 atcagaagag aatgccacac tcttcccttt gatagagcat ctgacttgca tctccttagt 720
 aactactttc cctcccatct taaactgttc ttttctaggg gccaacctct cctcttgtga 780
 acgagctctc atcctttcct ggatacacag cttctctctt cctgcatact tttttctttg 840
 tacagcatga aaatatata tttgtgtctt tttaaaaaaa aaaaaaaaaa actcga 896

<210> 89
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (550)
 <223> n equals a,t,g, or c

<400> 89
 gaattcggca cgagcttatg gtctttatta cttacatgtc tcatcattcc tgtacaactg 60
 tagcaaatat aaacatcaaa atgocctctag atctctcttt cctcaataca tattttctcc 120
 tttctgtcat tttgaaagt ttgtatatgt atgcccctgg tcatcttaga atgcccattt 180
 ctctttgttc tagtgctgtt gtgtgggtga aggttgacct agtktcagag aagggttgag 240
 gaaaggcagg ggcmaaaaga ataaaggaaa gagttycttt tgagtacmaa taaaactac 300
 cagggaaatc tgatttacca aaatgttcta gggattagat tgcaacyatt aaattatgatt 360
 taacygaagg acccctcggc ccttttttat tccctctctt tttactaaaa tcttttatcg 420
 aatgtcagaa tctcttttca ttktgtctcag taagtaaact tcaataaatt ataggtaaaa 480
 tttagaaaac tgaaaattct gtttagagatt agaatgcatt aatatttctt gccttaggct 540
 ggggtcagtn gctcacgct gtgaccccg cactttggga ggcgtgagcg ggcacatcac 600
 ctgagctcag gagtctcgga ccagcctggc cgacgtgtgt gaaccccgct tctactagaa 660
 atacaaaagt tggccaggca tgggtggcagg cccggctact ttgtaggctg aggcaggaga 720
 atcgcctgag ccagggaagt ggaggttgca gtgagccgag atcgtgccac agccgagatc 780
 tgtgagcctg ggccacagag cgagactoca tctcaaaaac acaaaaacaa aaacaaaaaa 840
 aaaaaaaaaa aactcga 857

<210> 90
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 90
 agggatcccc cgggctgcag gaattcggca cgagtctact ctcaaaaaa tcagaacat 60
 atattttgtg gcatttgcatt gtgcaacagt acacacaaac atacataaag agagcaattg 120

ataaggcaaa	taaggtaaca	tttaacaata	atctgatata	cataaataga	gaaagagcaa	180
ttgataaagt	aaatgaggta	aaatttaaca	ataatctgag	caaaaggtat	atgtgttttc	240
tttgagacag	tctgattctt	gcaacttatt	ctgtaagtgt	gaacttattt	cacaacatga	300
ttgaaaaaaa	accccgact	tggcaacttc	ttctcttttt	cagcctagaa	atgtctgtgt	360
taagtgggtt	tttattttat	gttgtgtgtt	gttgtttatt	ttgtttgtgt	gccaggtctc	420
aaactcacaaa	atacgagttt	aaaaactgag	ttgttatttt	tagagatttg	tgataataca	480
acttgtttata	aaattttatt	ctcaataaat	ataattttct	tactaaaaaa	aaaaaaaaaa	540
aaaaaaaaaa	aaaaactcg a					561

<210> 91
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 91	
gaattcgga	cgagctcaaa caaacaacaa aacaaacaaa ctgcatgga gaggagacaa 60
agagagaaa	gtttatggtc ctgtccttac cctaaattac tgtgcaacct ttgtgcaagt 120
cacttctct	ctattctgag ttctctttatc tattcaattg ggttcttaga ttgtgtgtgtc 180
cttaaacact	ctccagtttt tcaatttgat gttacattct acccagtgac caaattcata 240
ttccagaagc	atagtatgct atgtcatacc gcaaatcttg taaacgttcc tgatgtgtgt 300
tggtctgtgc	cccaccacaaa tctcatcttg aattgcagtt ccataatcc acacatgtaa 360
caggagggac	caggtggagc taattgaacc atggggggcga tctcccccca cctgttcttg 420
tgatagttag	ttagtcttca tgagatctga tgggtttata aggggttttc cccttcaactg 480
ggcactcatt	cttctgcctc ctgttgccac atgaggaagg acatgttttg tcccccttct 540
gccatgattg	taagtttctt gaggcctccc agctatgctg aactgagagt caattaaact 600
tttttctctt	ataaatttaa aaaaaaaaaa aaaaaactct gacggggggg ccctg 655

<210> 92
 <211> 848
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (81)
 <223> n equals a,t,g, or c

<400> 92	
cnaggccwrr	aaccccnaag gctggcactg agctgtgact gctttaacag cccccaagat 60
ttggtcagtt	tgaggtggtg nagactcaga ttgttgctga aagttcagta acacagtcct 120
ggtctttggc	cctagagaaa ctttttatat gagaagtgtt ctctatatatc atgtttgagg 180
tgactctgga	atggattatg aggtcatatc tcaaaatgtc agaaaacgtt atagagcact 240
gaaacttttg	tatttgcctg ttaacctcaa tattacagcc acaaacaaag ggtaccaaga 300
caaaagtata	ctgagcataa gcagaaaatg ttaacctccc aggttttctt ctttaagcaca 360
ataaaagtgg	gagcgaacaa cacaaaggata tttttacatt tgaccocgtc caaaagtacg 420
acaccctatc	cttgtgcatc tattttgtaca aggaaatata tgattagaag gawtagaacc 480

cccagttgtgc	atcagctttt	ttagacacca	caggttgtag	cagtttgaac	aaactgaaaa	540
ctttataactt	ctgtgtgagc	tgaactcaag	tttcagaata	atcatcgcca	tgtggggaggc	600
tttttgttaa	atgcagaaga	aatttcaaaa	tattgtattt	atatctgcct	tccactgtcg	660
ccaatttagt	aagcatctcc	tatacaatcg	acaataaaca	gcaaatgatg	cagtttcatag	720
agtatttttc	acttggggaa	aaatatgtat	ctgaattgta	aaaagaaatg	tttggattttt	780
gtatgtcttc	tttattatta	ttaaaatata	aaatgaaact	cctcaaaaaa	aaaaaaaaaa	840
aaactcga						848

<210> 93

<211> 612

<212> DNA

<213> Homo sapiens

<400> 93

gaattcgcca	cgagagcgtg	ttatttctct	gcctccagat	catttaggct	ttggtaaaac	60
ctcggccaat	ttggctataa	taaaatagat	ttccttgagg	gcaggatttg	ttagggggaaa	120
cagaaagctc	tgggtattat	ttcaaaatga	tttattttct	cctcctcttg	cctgaagcac	180
aaggagagtt	ctcatcgatt	ttcacagtga	gaacctggta	ggtaatactc	atttaagcat	240
gggatcctgt	gttcgtccag	acccttggag	ttttaaattc	tcagggtggg	tcaacctgag	300
ttaattttgc	aattatgggt	taaaagtgtc	ctatggatgt	tggcttttagc	tgcaggctcc	360
tgtatccacc	tcctctctta	gtttttgaga	tggcagtttg	tttcatgacc	tctatgaaga	420
gctgcctat	atctatctat	ctatctatct	atctatctat	ctatctatct	atatacctat	480
ctacctatct	atgagaggag	tcttctctga	gcccaggagt	tcaaggttgc	agtgaggccat	540
gatcatggca	ctacactcca	ccctcagcaa	cagagaaaaga	cactatctca	aaaaaaaaaa	600
aaaaaaaaac	ga					612

<210> 94

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (529)

<223> n equals a,t,g, or c

<400> 94

ttcacgcggt	ggcggccgct	ctagaactag	tggatccccc	ggsctggsag	aattcggcas	60
grgccccggt	caggccctgc	ccagagagct	cctggttctc	gaactgagct	gcctctaccg	120
tgttgggctg	ggcaggcatg	tgcccccta	gtcagagggc	accaaccacc	ctactctgcc	180
ctctgggtgga	tcctgggccc	gtcgtgttag	ggttgtccct	ctgggtgctg	gctgggtggga	240
tgggkgaggg	tggggagcag	ctccacgac	ccctgctgtg	tggttcatct	tttttttagg	300
ccccctgctg	tctgcccac	tgccccccac	ccaccctagg	ctctgcccac	cgctcggacc	360
tgccaccccc	tgaagactg	gcccctggct	ccccgcccc	gggtctccac	gtggtgtatg	420
gatctgtggt	cattgtccct	ctgcagaata	aagattgtgc	aggcctgcct	ggaaaaaaa	480
aaaaaaaaaa	aaaaaaaaac	cgaggggggg	cccgtaacca	atgcctgng	atgat	535

<210> 95

<211> 2264

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2257)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2264)

<223> n equals a,t,g, or c

<400> 95

aaatttttca	acaccacagt	cagctaagtc	acctaactgcc	accttcgaaa	aacacggaga	60
gcacctacc	agaggagaag	gtagatttgg	agtaagccgc	cgtcgacata	atctctctga	120
tggttttttt	aacaatggtc	cctaacgaac	tcgaggagat	tcttggcacc	agscctccct	180
gttcgcccat	gattctkttg	actctggwtg	ctctaaggga	gcatactgtg	gaatcacagg	240
gaacccatct	ggttggcata	gctcttcccg	aggctcatgat	ggcatgagcc	aacgtakgna	300
ggtggccacag	ggaacccatcg	ccatttggaa	ggcagcttcc	actcccgcaa	aggggtgtgt	360
tttcaggaaa	agccacccat	ggagattagg	gaagaaaaaga	aagaagacaa	ggtggaaaaa	420
ttgcagtttg	aagaggagga	ctttccctcc	ttgaatccag	aagctggcaa	acagcatcag	480
ccatcgagac	ctatttggac	accttctgga	gtatggggaaa	acccgcctag	tgccaagcaa	540
ccctccaaga	tgctagtatt	caaaaaagtt	tccaaagagg	atcctgtctgc	tgcccttctct	600
gctgcattca	cctcaccagg	atctcaccat	gcaaatggga	acaaattgtc	atccgttggtt	660
ccaagtgtct	ataagaacct	ggttccctaag	cctgtaccac	ctccttccaa	gcctaatgca	720
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tttaccagtc	caatctctgt	taccaaaacca	gtggtactgg	ctagtgtgtgc	agctctgagt	840
tctcccaaa	agagtccctc	cagcaccacc	cctccaattg	agatcagctc	tctctgtctg	900
accaagtga	cccgcgaac	caccgacagg	aagagtgtgt	tccgtgaaac	tctgaaggat	960
gaccggaatg	gagactctct	agagaataga	gactgtgaca	agctggaaga	tttggaggac	1020
aacagcacac	ctgaacccaa	ggaaaaatggg	gagggaagct	gtcatccaaa	tgggtcttgcc	1080
ctccctgtag	tggaagaagg	ggagggtctc	tcacactctc	tagaagcaga	gcacaggtta	1140
tgaaaagcta	tggtgtggca	ggaatatctc	gaaaatgatg	agaattgctt	tcctctcaca	1200
gagggtgagc	tcaaaagagt	ccacatgaag	acagagcagc	tgagaagaaa	tggtctttgga	1260
aagaatggct	tcttgcagag	ccgcagttcc	agctgtttct	ccccctggag	aagcactgtc	1320
aaagcagagt	ttgaggactc	agacaccgaa	accagtgtga	gtgaaacatc	agatgacgat	1380
gcctgggaat	aggcatataa	atgctcacag	ttaaatctga	cccagtaaac	tctgtgtggt	1440
tagggagtat	acaaaagaaa	tcgttctttt	cttctttctta	tgttgttgaa	tacttcattc	1500
acaagggaaa	taatcatatc	ccaaagagag	agcaattggc	ttgtttttgt	tttgttattg	1560
ttcttccctg	ttatctgtct	tatagagaga	agtttgtgtg	gtgggacaga	ttttttaaac	1620
acactcayac	acacacacac	atcacacccc	agtatatatg	ggcgatgtca	caggtaggag	1680
ctggcagctg	aggggaagag	agacactggt	ctgcagcaac	agcttctcat	ccagccctct	1740
ggggcactca	ccccctgtat	caagcaatca	tgatcfaatga	caaagtgaact	atgtgaagtta	1800
taattgtatt	aaattaatgc	taataatttg	gatatatttt	tttatttttg	gctgtctcggt	1860
taacttttgc	ccttaaccaa	gcatactgtg	gttttttttg	ttgttttttt	ttgttttttt	1920
ttcttttttc	cttttttggt	acagctgtaa	aatattttga	tataggaaat	gctgtgttat	1980
tcttgcagcc	ttgatattca	gggtggattg	taaaatataa	atttttgtga	gttttctaaag	2040
attaagatta	ttttgataac	attattttaca	gatttataaag	atgtgtgttat	cacaagtctc	2100
gagggggaaa	ctactgcata	aaataactaa	cttggaataa	atattttgtca	tcagttttgga	2160
taaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2220
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaag	ggggggnccc	cccn		2264

<210> 96

<211> 1005

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (488)
 <223> n equals a,t,g, or c

<400> 96
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 ggagaagctc gaacaccocgg tcacagctct ctttgctatg ggaactggga cactttttta 120
 caccgatgtg ccgcgcgtccc caccctaacc cccacctccc ggcctctgagc gtgtgtcgtc 180
 gccatatattt acacaaaatc atgtttgtggg agccctcgtc cccctcctg cccgctctac 240
 cctgacctgg gcttgtcctc tgctgggaaca ggcgccatgg ggccctggag cctgtccctg 300
 caggctccctt agcacctgtc cccctgctgt tctccagtgg gaaggtagcc tggccaggcg 360
 gggcctcccc ttcgacgacc aggcctcggt cacaacggac gtgacatgct gcttttttta 420
 attttatttt tttatgaaaa gaaccagtggt caatccgcag accctctgtg aagccaggcc 480
 ggccgggncg agccagcagc cccctcctcc agactcagag gcgccgcggg gaggggtggc 540
 cccgcgcagg cttcaggggc cccctcccca ccaaaggggt caccctcacac ttgaatgtac 600
 aaccaccacc actgtcggga aggcctcctg cctcggccccc tgctctctgc tgcgtctcgt 660
 tccccgagcc cctgcaggtc cccccccccc ccccccactca agagttagag cagggtggctg 720
 caggccttgg gcccgagggg aaggccactg ccggccactt ggggagagca cagacacctc 780
 aaggatctgt caccggaagg ctcctttttc cttgtagcta acgttaggccc tgagtgcctc 840
 ccctccatcc ttgtagacgc tccagtcctc actactgtga cggcattttcc atccctcccc 900
 tgcccgggaa gggaccttgc agggacctct cctcccaaaa aaagaaaaaa agaaaaaaraa 960
 aaaaaaaa aaaaactccga gggggggccc ggtacccaat tcgcc 1005

<210> 97
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (513)
 <223> n equals a,t,g, or c

<400> 97
 gaattcggca cgagaagatg ggcagccaat ggtgctcaaa ctcaaggact ggcctcctgg 60
 ggaagatttt cgagacatga tgccaaccag gtttgaagat ctgatggaga accttccctc 120
 gccagaatat accaaacgag atggcaggct caatctggcc tctaggctac ctagtactt 180
 tgtaaggcct gatctgggcc ccaagatgta caacgcctat ggtatgaggg agaggctaaa 240
 attgctcttt tgggggactg ttgtctttat ttcaactata gaaggatatt tgttggtcaat 300
 gtcagggtata gagatgattg caggcaagtg ctggagaagt gaatatgata caagggtggc 360
 tgtaatatgt ttgcttttgt catattgggt ttcataacat ccatgtgggc ccagaccata 420
 agctttacatg tctccagtag tgaggaagtt tctgtttaag aactctaccc aaggagccat 480
 attctcgaag gggggggccc gtacccaatt cgmccctatg tggagtctga ttacaattca 540
 ctgggcccgc cgttta 556

<210> 98
 <211> 886
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 98
 atttcatttt agggcatact gggcttactc tcttcccagc tgtctgtgga ttgatttgat 60
 tttaaagtgc gagttttaca gcaacagctg anaaaccatg aactattcta ggaactgtgt 120
 tggaaactctt taaaataaag aaaagaggag gaggagagga agaaagaaaa ccaacttaag 180
 aagcccttgga ctttggagggg acagaaagcc accagccaat ggagaaacaaa gagatgtttc 240
 cctttccctt ctttccacctt gtcattctgg gtttccctct gcttccactct ttccttcccc 300
 cttaaaagtg gtattcctgg ttggctgtgc tgtctgtcct tgtccttggg gtgatcctgg 360
 catggtgata tgcctccactt tgcattatcc atgggtctctt accagcgcac aagtcagtg 420
 ggaggatcta accacgcctg gtgggtgagga agctgaattt ccaggcctgc gtcccattga 480
 gccctcccat gaactgcaga aggcattgttc tgcattgtta ccagtaagtg gctccctctc 540
 accgtgttca ttgtcaaatg agagcaaaact tttagtgttg gctccattgt acactctact 600
 tgcctctgctc ccttccctcc aaccagggtt catgtcagtg cacaccccat gtgccctggc 660
 gaagctggtg ctgtgagtga tgtttcccat acaactcagg gatgccagggt ggcttacctt 720
 gagatagtca ttttggggcac ataacagtgt aggaatgaaa catggatttc attgatattt 780
 aaatctgtca atttcatttt ttgttaattt tttccctga tgacttttta gcaatttaac 840
 aaataaaaatg gacaattgtc ttaaaaaaaa aaaaaaaaaa ctcgan 886

<210> 99
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<400> 99
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 cgtctagact atgatccccg gctgcagaat tcggcacgag cagtcagaa actgcgtgcc 120
 ctgccctttg cttggggccc tctaccagta tgtccagcat gtgcccgggg gccctcagct 180
 cccttggggc ccagcccacc caagacacag cttctgtgtc tgaacatgaa gatgagccaa 240
 actctagtgt cttcttccga aagaaatgag aatgccagc cacacccatg cacgctttgt 300
 tcttttttat ttaatactga ggaaccggag tggaggggtc ctgcccgggt cagtgacc 360
 tgagggaagt caggagagcc ctgggctgca gaagagtc ccacagggct ccgaagcaag 420
 ctgtcctgg tgcattcaga ctgctcacag caggctttgg gccctcactc tccagatccc 480
 agagagccct ccagggtccc cagctctcgg gccagtgccc amgtctctga agggggggcg 540
 gtaaccaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt tttacaa 597

<210> 100
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 100
 gtttttgggt actctgtctta ggctttttta tttgagtgta ccattaagct tgcaataaac 60
 atgttataag ccattatgtt aaagtgtatg cagcactgat tgaaaaagaa aaaaacaaat 120
 taacaaacaa gcacagagat aactaataac actacattta attttattcc ccttttttaac 180
 tttttattta tttatatatt atagtgttat gtcttgaaaa gttgttgtat ttattatttt 240
 gatagggtta tcttttagtc ttctacaca agatatgagt agtttacaca ctacaattgc 300
 agtgtcataa tattctgtgt ttgtctgtga gtwtgttacc ttcagacaat tctttattgc 360

ccccctttttc	ttcagaatga	agaactccct	ttagcatttc	ttatagcata	ggctctgggtg	420
taatgaggtc	cctcagcttt	ttgtttacct	gggaaaatct	ttattctctc	ttcacggtttg	480
aagtcctattt	ttactgggatg	tactattcta	ggatgaaagt	tttttccctc	aacacttttaa	540
atatgttatg	tcactttctc	ctggcatgta	aggtttccct	gagaagcctg	ctgcaagatg	600
tgtggggagct	catttgatg	ttattgtttt	cttttctcty	actgcctctc	tttaagattc	660
ttctttatc	cttgaccttt	gggagtgtga	ttattaaatg	cctcga		706

<210> 101

<211> 1070

<212> DNA

<213> Homo sapiens

<400> 101

gaattcgcca	cgaggtgata	ctttctgaaga	ctgcaggggag	aatccggtttt	ccagctttttt	60
tcattccacca	gaggccacct	gtattcccta	tcccacaacc	ctagcccttt	cccttatctt	120
tgaagtggac	tatttcattc	cctgtttcta	tcattgacagt	gccttctctc	atatggacct	180
ctttgcctta	taagattcct	tgtgattaca	ctgggtccac	ctgcataatc	aaggctaact	240
tctccatctg	gagatcttaa	tataatcaca	tctacaaagt	ccctttggcc	attgaaatga	300
catatttata	tgtattcatt	attaggatgt	gggacacttt	tgtcaggggac	agggatattt	360
cagcctacct	ttttcttcac	cttttggcac	cactctcagc	ctgtgtgtctc	aatgccagcc	420
tttacaactg	taccgccatt	gtctgggtag	ktcataccag	ycctcaagac	tagcctcagg	480
cattgcctct	cttgggaata	catcctctta	caggccagga	tatgactcat	gggtgcattc	540
ctaatagcac	ttcamttatt	tctactgtca	ccacactgat	ctgtaattac	ttgatattgtc	600
tgactcttct	gggggcttgt	aagcattctg	gcacagagaa	ctatgactta	ctggggccta	660
catcctcttc	taaacacagt	acctaaaatt	tagtaggcac	tccctcataa	acatgaatga	720
atgaatcaaa	gaatgaataa	acatttagga	aatgatgttg	tgttgggtcaa	cttctttctt	780
catcactgtt	aaagataaaa	gaatgccaa	ccagggttgt	cagacagaag	caagcaccac	840
atccctgaga	gagcagcaca	cttgggcagc	catgtgtgag	aagtcgggtg	cattccccat	900
acacagttgt	ctttgcagct	gtactcttaa	ccactgtaac	cacagaagtg	gggaaacaat	960
aggggtgggt	gaagtgaana	gaaaattttc	caaaacttca	tttatcataa	aaatacacat	1020
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<210> 102

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 102

Met	Phe	Leu	Gly	Asn	Ser	Leu	Glu	Thr	Leu	Thr	Asn	Arg	Ile	Leu	Val
1					5						10				15

Ser	Leu	Ala	Ser	Val	Phe	Leu	Leu	Pro	Pro	Arg	Lys	Gly	Ala	Gly	Leu
				20						25					30

Cys	Ser	Arg	Gln	Asp	Arg	Arg	Ala	Pro	His	Ala	Tyr	Thr	Ser	Leu	Pro

Glu	Leu	Ser	Pro	Arg	Ala	Ser	Gly	Pro	Cys	Leu	Glu	Thr	Gly	Leu	Ala

Leu Xaa

65

<210> 103

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 103

Met Tyr Gln Gln Thr Arg Ser Ser Pro Thr Asn Thr Leu Arg Pro Trp
 1 5 10 15

Pro Arg Gly Thr Ser Arg Cys Leu Arg Cys Ser Phe Cys Arg Leu Ser
 20 25 30

Phe Ala His Ser Gln Gly Ile Gln Gln Leu Ser Cys Ser Leu Ser Arg
 35 40 45

Thr Asp Ser Arg Ser Phe Thr Ile Ser Lys Thr Leu Trp Ala His Asn
 50 55 60

Arg Arg His Ser Phe Gln Gly Xaa
 65 70

<210> 104

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 104

Met Asn Ala Tyr Arg Val Lys Pro Ala Val Phe Asp Leu Leu Leu Ala
 1 5 10 15

Val Gly Ile Ala Ala Tyr Leu Gly Met Ala Tyr Val Ala Val Gln His
 20 25 30

Phe Ser Leu Leu Tyr Lys Thr Val Gln Arg Leu Leu Val Lys Ala Lys
 35 40 45

Thr Gln Xaa
 50

<210> 105

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (221)

<223> Xaa equals stop translation

<400> 105

Met Asn Val Phe Arg Ile Leu Gly Asp Leu Ser His Leu Leu Ala Met
 1 5 10 15

Ile Leu Leu Leu Gly Lys Ile Trp Arg Ser Lys Cys Cys Lys Gly Ile
 20 25 30

Ser Gly Lys Ser Gln Ile Leu Phe Ala Leu Val Phe Thr Thr Arg Tyr
 35 40 45

Leu Asp Leu Phe Thr Asn Phe Ile Ser Ile Tyr Asn Thr Val Met Lys
 50 55 60

Val Val Phe Leu Leu Cys Ala Tyr Val Thr Val Tyr Met Ile Tyr Gly
 65 70 75 80

Lys Phe Arg Lys Thr Phe Asp Ser Glu Asn Asp Thr Phe Arg Leu Glu
 85 90 95

Phe Leu Leu Val Pro Val Ile Gly Leu Ser Phe Leu Glu Asn Tyr Ser
 100 105 110

Phe Thr Leu Leu Glu Ile Leu Trp Thr Phe Ser Ile Tyr Leu Glu Ser
 115 120 125

Val Ala Ile Leu Pro Gln Leu Phe Met Ile Ser Lys Thr Gly Glu Ala
 130 135 140

Glu Thr Ile Thr Thr His Tyr Leu Phe Phe Leu Gly Leu Tyr Arg Ala
 145 150 155 160

Leu Tyr Leu Ala Asn Trp Ile Arg Arg Tyr Gln Thr Glu Asn Phe Tyr
 165 170 175

Asp Gln Ile Ala Val Val Ser Gly Val Val Gln Thr Ile Phe Tyr Cys
 180 185 190

Asp Phe Phe Tyr Leu Tyr Gly Thr Lys Gly Arg Ser Trp Asp Asp Ser
 195 200 205

Asn Ala Asp Thr Gly Leu Arg Ser Tyr Ser Ser Ile Xaa
 210 215 220

<210> 106

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals stop translation.

<400> 106

Met Leu Ser His Val Phe Pro Ile Cys Thr Arg Pro Cys Leu Ser Met
1 5 10 15

Tyr Phe Pro Cys Val Pro Ser Met Tyr Leu Val Tyr Phe Leu Pro Leu
20 25 30

Asn His Gly Ile Leu Leu Thr Glu Pro Tyr Val Pro Tyr Pro Ala His
35 40 45

Cys Tyr Ala Leu Phe Pro Asn Ser Cys Leu Val Gly Pro Ser Thr Pro
50 55 60

Ser Pro Cys His Arg Ile Ser Ile Ser Ala Gln Ile Pro Pro Ile Ser
65 70 75 80

Ile Ala Phe Met Tyr Tyr Pro Gln Ser Thr Leu Thr Ile Ile Phe Ser
85 90 95

Gln Asp Cys Ser Leu Leu Phe Cys Val Phe Leu Arg Gly Ile Lys Glu
100 105 110

Lys Xaa

<210> 107

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals stop translation

<400> 107

Met Glu Asn Ile Ser Xaa Asp Val Ile Val Gly Arg Cys Leu Ala Ile
1 5 10 15

Leu Lys Gly Ile Phe Gly Ser Ser Ala Val Pro Gln Pro Lys Glu Thr
20 25 30

Val Val Ser Arg Trp Arg Ala Asp Pro Tyr Val Ala Ala Gly Ser Ser
35 40 45

Gly Asn Asp Tyr Asp Leu Met Ala Gln Pro Ile Thr Pro Gly Pro Ser
50 55 60

Ile Pro Gly Ala Pro Gln Pro Ile Pro Arg Leu Phe Phe Ala Gly Glu
65 70 75 80

His Thr Ile Arg Asn Tyr Pro Ala Thr Val His Gly Ala Leu Leu Ser
85 90 95

Gly Leu Arg Glu Ala Gly Arg Ile Ala Asp Gln Phe Leu Gly Ala Met
100 105 110

Tyr Thr Leu Pro Arg Gln Ala Thr Pro Gly Val Pro Ala Gln Gln Ser
115 120 125

Pro Ser Met Xaa
130

<210> 108

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 108

Met Glu Asn Thr Phe Phe Val Phe Leu Val Ser Ala Leu Leu Leu Ala
1 5 10 15

Val Ile Tyr Leu Asn Ile Gln Val Val Arg Gly Gln Arg Lys Val Ile
20 25 30

Cys Leu Leu Lys Glu Gln Ile Ser Asn Glu Gly Glu Asp Lys Ile Phe
35 40 45

Leu Ile Asn Lys Leu His Ser Ile Tyr Glu Arg Lys Glu Arg Glu Glu
50 55 60

Arg Ser Arg Val Gly Thr Thr Glu Glu Ala Ala Pro Pro Ala Leu
65 70 75 80

Leu Thr Asp Glu Gln Asp Ala Xaa
85

<210> 109

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 109

Met Ser Ala Ala Ser Phe Trp Pro Arg Pro Val Ala Ser Ile Ser Val
1 5 10 15

Phe Ile Leu Leu Gly Ser Ser Val Thr Thr Ser Lys Thr Arg Ser Gly
 20 25 30

Val Ile Ser Ser Ala Gly Lys Pro Ile Trp Val Gln Ser Pro His Leu
 35 40 45

Ala Leu Leu Glu Val Leu Leu Gln Lys Gly Ile Val Pro Glu Lys Xaa
 50 55 60

<210> 110

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

<400> 110

Met Leu Ser Leu Thr Val Ser Leu Lys Ser Val Ser Ile Ala Ala Gln
 1 5 10 15

Ser Leu Phe Leu Asp Leu His Phe Pro Ile Gln Met Thr Leu Val His
 20 25 30

Lys Glu Ile Ala Lys Leu Glu Thr Xaa
 35 40

<210> 111

<211> 48

<212> PRT

<213> Homo sapiens

<400> 111

Met Thr Leu Tyr Leu Asn Thr Asn Lys Asn Lys Pro Ser Ala Leu Tyr
 1 5 10 15

Ser Leu Phe Phe Cys Phe Ile Ser Thr Pro Tyr Thr Tyr Gly Leu Gln
 20 25 30

Ile Cys Tyr Lys Cys Phe Phe Ile Tyr Ile Phe Val Ile Cys Leu Tyr
 35 40 45

<210> 112

<211> 38

<212> PRT

<213> Homo sapiens

<400> 112

Met Phe Leu Thr Tyr Leu Thr Tyr Asn Val Ile Ser Leu Asn Glu Val
 1 5 10 15

Val Ser Thr Ser Ala His Gln Ile Ala Val Ile Val Asn Tyr Leu Phe
 20 25 30

Met Gly Asp Asn Leu Phe
 35

<210> 113

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals stop translation

<400> 113

Met Pro His Pro Ile Trp Cys Tyr Arg Asn Ser Ala Arg Lys Val His
 1 5 10 15

Leu Phe Ala Cys Leu Phe Ile Leu Tyr Ile Leu Pro Ile Leu Tyr Ser
 20 25 30

Cys Thr Lys Asp Leu Ile Glu Asn Leu Lys Ser Ser Xaa
 35 40 45

<210> 114

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 114

Met Leu Arg Ile Lys Ser Cys Leu Leu Phe Phe Ile Phe Phe Pro
 1 5 10 15

Phe Asn Ile Lys Asp Ser Gln Val Pro Ala Asn Tyr Ile Ala Thr Phe
 20 25 30

Ser Arg Lys Cys Ser Phe Xaa
 35

<210> 115

<211> 25

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 115
 Met Ser Leu Gln Pro Pro Phe Val Met Leu Leu Ser Thr Ala Gln
 1 5 10 15

His His Glu Leu Gly Ala Asp Thr Xaa
 20 25

<210> 116
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 116
 Met Pro Lys Gly Ile Leu Val Ser Phe Leu Cys Ala Leu Ser Pro Arg
 1 5 10 15

Thr Gly Met Leu Gly Val Ser Phe Leu Leu Phe Ile Gly Ile Leu Leu
 20 25 30

Arg His Thr Ser Cys Leu Phe Cys Met Val Phe Ala Lys Met Pro Leu
 35 40 45

Ala Xaa
 50

<210> 117
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 117
 Met Cys Pro Pro Ser Gln Arg Ala Pro Thr His Leu Xaa Cys Pro Trp
 1 5 10 15

Val Asp Pro Gly Pro Val Val Leu Gly Leu Ser Leu Trp Val Leu Ala
 20 25 30

Gly Gly Met Gly Glu Gly Gly Glu Gln Leu Pro Ala Pro Leu Leu Cys
 35 40 45

Gly Ser Ser Phe Phe

50

<210> 118

<211> 268

<212> PRT

<213> Homo sapiens

<400> 118

Met Glu Val Ala Glu Pro Ser Ser Pro Thr Glu Glu Glu Glu Glu
 1 5 10 15

Glu Glu His Ser Ala Glu Pro Arg Pro Arg Thr Arg Ser Asn Pro Glu
 20 25 30

Gly Ala Glu Asp Arg Ala Val Gly Ala Gln Ala Ser Val Gly Ser Arg
 35 40 45

Ser Glu Gly Glu Gly Glu Ala Ala Ser Ala Asp Asp Gly Ser Leu Asn
 50 55 60

Thr Ser Gly Ala Gly Pro Lys Ser Trp Gln Val Pro Pro Pro Ala Pro
 65 70 75 80

Glu Val Gln Ile Arg Thr Pro Arg Val Asn Cys Pro Glu Lys Val Ile
 85 90 95

Ile Cys Leu Asp Leu Ser Glu Glu Met Ser Leu Pro Lys Leu Glu Ser
 100 105 110

Phe Asn Gly Ser Lys Thr Asn Ala Leu Asn Val Ser Gln Lys Met Ile
 115 120 125

Glu Met Phe Val Arg Thr Lys His Lys Ile Asp Lys Ser His Glu Phe
 130 135 140

Ala Leu Val Val Val Asn Asp Asp Thr Ala Trp Leu Ser Gly Leu Thr
 145 150 155 160

Ser Asp Pro Arg Glu Leu Cys Ser Cys Leu Tyr Asp Leu Glu Thr Ala
 165 170 175

Ser Cys Ser Thr Phe Asn Leu Glu Gly Leu Phe Ser Leu Ile Gln Gln
 180 185 190

Lys Thr Glu Leu Pro Val Thr Glu Asn Val Gln Thr Ile Pro Pro Pro
 195 200 205

Tyr Val Val Arg Thr Ile Leu Val Tyr Ser Arg Pro Pro Cys Gln Pro
 210 215 220

Gln Phe Ser Leu Thr Glu Pro Met Lys Lys Met Phe Gln Cys Pro Tyr
 225 230 235 240

Phe Phe Phe Asp Val Val Tyr Ile His Asn Gly Thr Glu Glu Lys Glu
 245 250 255

Glu Glu Asp Glu Ala Ile Glu Val Glu Ala Thr Val

260

265

<210> 119
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 119
 Met Gly Cys Phe Pro Leu Trp Leu Val Thr Leu Ala Val Gly Asp Ala
 1 5 10 15

Leu Pro Pro Thr Ala Cys Glu Leu Trp Gly Val Pro Ala Pro Pro Leu
 20 25 30

His Leu Ala Glu Glu Xaa
 35

<210> 120
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals stop translation

<400> 120
 Met Gly Leu Trp Leu Gly Met Leu Ala Cys Val Phe Leu Ala Thr Ala
 1 5 10 15

Ala Phe Val Ala Tyr Thr Ala Arg Leu Asp Trp Lys Leu Ala Ala Glu
 20 25 30

Glu Ala Lys Lys His Ser Gly Arg Gln Gln Gln Gln Arg Ala Glu Ser
 35 40 45

Thr Ala Thr Arg Pro Gly Pro Glu Lys Ala Val Leu Ser Ser Val Ala
 50 55 60

Thr Gly Ser Ser Pro Gly Ile Thr Leu Thr Thr Tyr Ser Arg Ser Glu
 65 70 75 80

Cys His Val Asp Phe Phe Arg Thr Pro Glu Glu Ala His Ala Leu Ser
 85 90 95

Ala Pro Thr Ser Arg Leu Ser Val Lys Gln Leu Val Ile Arg Arg Gly
 100 105 110

Ala Ala Leu Gly Ala Ala Ser Ala His Xaa
 115 120

<210> 121
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 121
 Met Ile Gln Thr Phe Pro Ala Tyr Leu Cys Leu Pro Leu Phe Tyr Val
 1 5 10 15

Leu Asp Leu Ala Leu Ala Ser Ala Pro Val Leu Ser His Ser Ala Leu
 20 25 30

Leu Xaa

<210> 122
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 122
 Met Gln Asn Asp Phe Gly Gln Val Trp Arg Trp Val Lys Glu Asp Ser
 1 5 10 15

Ser Tyr Ala Asn Val Gln Asp Gly Phe Asn Gly Asp Thr Pro Leu Ile
 20 25 30

Cys Ala Cys Arg Arg Gly His Val Arg Ile Val Ser Phe Leu Leu Arg
 35 40 45

Arg Asn Ala Asn Val Asn Leu Lys Asn Gln Lys Glu Arg Thr Cys Leu
 50 55 60

His Tyr Ala Val Lys Lys Lys Phe Thr Phe Ile Asp Tyr Leu Leu Ile
 65 70 75 80

Ile Leu Leu Met Pro Val Leu Leu Ile Gly Tyr Phe Leu Met Val Ser
 85 90 95

Lys Thr Lys Gln Asn Glu Ala Leu Val Arg Met Leu Leu Asp Ala Gly
 100 105 110

Val Glu Val Asn Ala Thr Asp Cys Tyr Gly Cys Thr Ala Leu His Tyr
 115 120 125

Ala Cys Glu Met Lys Asn Gln Ser Leu Ile Pro Leu Leu Leu Glu Ala
 130 135 140

Arg Ala Asp Pro Thr Ile Lys Asn Lys His Gly Glu Ser Ser Leu Asp
 145 150 155 160

Ile Ala Arg Arg Leu Lys Phe Ser Gln Ile Glu Leu Met Leu Arg Lys
 165 170 175

Ala Leu

<210> 123
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 123
 Met Ile Leu Gln Ser Leu Leu Phe Leu Gln Arg Leu Leu Met Ile Ser
 1 5 10 15
 Thr Lys Pro Ala Val Val Leu Leu Trp Pro Leu Leu Lys Lys Val Glu
 20 25 30
 Asn Thr Leu Met Gln His Val His Pro Asn Leu Pro Ala Xaa
 35 40 45

<210> 124
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 124
 Met Asn Leu Ser Ile Ile Leu Pro Asn Ser Phe Xaa His Leu Cys Asn
 1 5 10 15

Phe Ser Leu Phe Leu Leu Pro Leu Pro Val Pro Ser Gln Pro Leu Ile
 20 25 30

Cys Ser Gly Asn Tyr Gln Ser Ser Phe Cys His Tyr Arg Leu Ile Cys
 35 40 45

Ile Phe Lys Glu Ile Tyr Ile His Gly Thr Ile His His Leu Cys Phe
 50 55 60

Val Val Xaa

65

<210> 125

<211> 337

<212> PRT

<213> Homo sapiens

<400> 125

Met Glu Ile Arg Glu Glu Lys Lys Glu Asp Lys Val Glu Lys Leu Gln
 1 5 10 15

Phe Glu Glu Glu Asp Phe Pro Ser Leu Asn Pro Glu Ala Gly Lys Gln
 20 25 30

His Gln Pro Cys Arg Pro Ile Gly Thr Pro Ser Gly Val Trp Glu Asn
 35 40 45

Pro Pro Ser Ala Lys Gln Pro Ser Lys Met Leu Val Ile Lys Lys Val
 50 55 60

Ser Lys Glu Asp Pro Ala Ala Ala Phe Ser Ala Ala Phe Thr Ser Pro
 65 70 75 80

Gly Ser His His Ala Asn Gly Asn Lys Leu Ser Ser Val Val Pro Ser
 85 90 95

Val Tyr Lys Asn Leu Val Pro Lys Pro Val Pro Pro Ser Lys Pro
 100 105 110

Asn Ala Trp Lys Ala Asn Arg Met Glu His Lys Ser Gly Ser Leu Ser
 115 120 125

Ser Ser Arg Glu Ser Ala Phe Thr Ser Pro Ile Ser Val Thr Lys Pro
 130 135 140

Val Val Leu Ala Ser Gly Ala Ala Leu Ser Ser Pro Lys Glu Ser Pro
 145 150 155 160

Ser Ser Thr Thr Pro Pro Ile Glu Ile Ser Ser Ser Arg Leu Thr Lys
 165 170 175

Leu Thr Arg Arg Thr Thr Asp Arg Lys Ser Glu Phe Leu Lys Thr Leu
 180 185 190

Lys Asp Asp Arg Asn Gly Asp Phe Ser Glu Asn Arg Asp Cys Asp Lys
 195 200 205

Leu Glu Asp Leu Glu Asp Asn Ser Thr Pro Glu Pro Lys Glu Asn Gly
 210 215 220

Glu Glu Gly Cys His Gln Asn Gly Leu Ala Leu Pro Val Val Glu Glu
 225 230 235 240

Gly Glu Val Leu Ser His Ser Leu Glu Ala Glu His Arg Leu Lys
 245 250 255

Ala Met Gly Trp Gln Glu Tyr Pro Glu Asn Asp Glu Asn Cys Leu Pro

260

265

270

Leu Thr Glu Asp Glu Leu Lys Glu Phe His Met Lys Thr Glu Gln Leu
 275 280 285

Arg Arg Asn Gly Phe Gly Lys Asn Gly Phe Leu Gln Ser Arg Ser Ser
 290 295 300

Ser Leu Phe Ser Pro Trp Arg Ser Thr Cys Lys Ala Glu Phe Glu Asp
 305 310 315 320

Ser Asp Thr Glu Thr Ser Ser Ser Glu Thr Ser Asp Asp Ala Thr
 325 330 335

Lys

<210> 126

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals stop translation

<400> 126

Met Lys Glu Ala Leu His Trp Ala Leu Phe Ser Met Gln Ala Thr Gly
 1 5 10 15

His Val Leu Leu His Leu Leu Leu Pro Ala Ala Ala Pro Arg Cys His
 20 25 30

Arg Gly Arg Ala Ser Pro Gln Gly Gln Gly Leu Ile Pro His Pro Asp
 35 40 45

Leu Ser Glu Asp Thr Ala Val Lys Ala Gln Ala Leu Ala Phe Pro Ser
 50 55 60

Glu Gly Leu Asp Xaa
 65

<210> 127

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals stop translation

<400> 127

Met Asn Gly Gln Arg Met Asp Glu Leu Phe Val Leu Ile Arg Asp Gly
1 5 10 15

Phe Leu Leu Pro Thr Gly Leu Ser Ser Leu Ala Gln Leu Leu Leu
20 25 30

Glu Ile Ile Glu Phe Arg Ala Ala Gly Trp Lys Thr Thr Pro Ala Ala
35 40 45

His Lys Tyr Tyr Tyr Ser Glu Ser Pro Thr Arg Xaa Pro Asp Gln Gly
50 55 60

Phe Leu Thr Ser Thr Gly Leu Ser Ser Thr His Leu Xaa
65 70 75

<210> 128

<211> 208

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 128

Met Leu His Ser Gly Leu Val His Gly Leu Ala Phe Trp Phe Asp Val
1 5 10 15

Ala Phe Ile Gly Ser Ile Met Thr Val Trp Leu Ser Thr Ala Pro Thr
20 25 30

Glu Pro Leu Thr His Trp Tyr Gln Val Arg Cys Leu Phe Gln Ser Pro
35 40 45

Leu Phe Ala Lys Ala Gly Asp Thr Leu Ser Gly Thr Cys Leu Leu Ile
50 55 60

Ala Asn Lys Arg Gln Ser Tyr Asp Ile Ser Ile Val Ala Gln Val Asp
65 70 75 80

Gln Thr Gly Ser Lys Ser Ser Asn Leu Leu Asp Leu Lys Asn Pro Phe
85 90 95

Phe Arg Tyr Thr Gly Thr Thr Pro Ser Pro Pro Pro Gly Ser His Tyr
100 105 110

Thr Ser Pro Ser Glu Asn Met Trp Asn Thr Gly Ser Thr Tyr Asn Leu
115 120 125

Ser Ser Gly Met Ala Val Ala Gly Met Pro Thr Ala Tyr Asp Leu Ser
130 135 140

Ser Val Ile Ala Ser Gly Ser Ser Xaa Xaa His Asn Asn Leu Ile Pro
145 150 155 160

Leu Gly Ser Ser Gly Ala Gln Gly Ser Gly Gly Gly Ser Thr Ser Ala
165 170 175

His Tyr Ala Val Asn Ser Gln Phe Thr Met Gly Gly Pro Ala Phe Ser
180 185 190

Met Ala Ser Pro Met Ser Ile Pro Thr Asn Thr Met His Tyr Gly Ser
195 200 205

<210> 129

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 129

Met Gly Lys Leu Leu Phe Pro Leu Leu Leu Ala Pro Phe Ser Pro Ile
1 5 10 15

Asn Lys Tyr Ile Leu His Phe Ala Arg Asp Gly Val Glu Glu Val Leu
20 25 30

Lys Phe Val Ser Xaa
35

<210> 130

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 130

Met Leu Val Val Ala Val Ile Phe Leu His Gly Ala Gly Ala Met Asn
1 5 10 15

Tyr Leu Ile Ala Lys Ile Leu Glu Val Gln Gly Leu Arg Glu Val Pro
20 25 30

Cys Thr Tyr Asn Thr Arg Gly Ile Ala Pro Pro Gly Gly Asn Val Gly
 35 40 45

Phe Glu Ala Ala Ser Val Val Asp Arg Pro Cys Gly Gln Xaa
 50 55 60

<210> 131

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 131

Met Gly Phe Phe Glu Thr Ile Lys Leu Leu Leu Trp Val Val Leu Ile
 1 5 10 15

Asp Cys Val Gly Val Gly Leu Leu Ile Ala Thr Leu Met Trp Phe Ile
 20 25 30

Ser Asn Lys Tyr Leu Val Lys Arg Xaa Glu Gln Arg Leu Xaa
 35 40 45

<210> 132

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 132

Met Cys Ala Leu His Trp Leu His Trp Leu Ala Ser Trp Leu Cys Ser
 1 5 10 15

Gln Pro Cys Leu Leu Leu Pro Ser Ser Pro Val Leu Cys Gln Ala Phe
 20 25 30

Ser Pro Ser Pro Val Ser Ser Pro Leu Arg Gln Ala Ile Ala Pro Ile
 35 40 45

Trp Leu Gly Arg His Arg Gln Xaa
 50 55

<210> 133

<211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals stop translation

<400> 133
 Met Arg Glu Asp Pro Thr Trp Gly Arg Ser Leu Lys Ser Ser Leu Lys
 1 5 10 15
 Ile Leu Ser Asp Leu Ser Tyr Ser Leu Val Leu Trp Leu Thr Ala Ile
 20 25 30
 Leu Gly Leu Thr Ala Gln Lys Ser Gln Glu Lys Ser Gly Arg Ala Arg
 35 40 45
 Ile Gln Ser Ile Cys Ser Tyr Asn Val Ala Thr Ser Phe Ala Xaa
 50 55 60

<210> 134
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 134
 Met Leu Ser Leu Met Ser His Leu His Val Gln Gln His Leu Ser Ser
 1 5 10 15
 Ile Leu Leu Ile Leu Ile Val Phe Ala Phe Leu Ser Asn Pro Phe Leu
 20 25 30
 Asn Gln Xaa
 35

<210> 135
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 135
 Met Thr Arg Trp Leu Val Gln His His Thr Ser Leu Val Gln Val Leu
 1 5 10 15

Ala Val Ser Phe Pro Ala Glu Gly Pro Gly Thr Glu Phe Pro Thr Ser
 20 25 30

Xaa

<210> 136

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals stop translation

<400> 136

Met Gly Val Leu Cys Arg Ser Leu Ala Gly Leu Gly Gly Leu Ser Leu
 1 5 10 15

Leu Gly Val Phe Cys Gly Gly Tyr Leu Met Ala Leu Ala Val Leu Ser
 20 25 30

Pro Cys Pro Pro Leu Val Gly Thr Ser Ala Gly Val Val Leu Val Val
 35 40 45

Leu Ser Trp Val Leu Cys Leu Gly Val Phe Ser Tyr Val Lys Val Ala
 50 55 60

Ala Ser Ser Leu Leu His Gly Gly Gly Arg Pro Ala Leu Leu Ala Ala
 65 70 75 80

Gly Val Ala Ile Gln Val Gly Ser Leu Leu Gly Ala Val Ala Met Phe
 85 90 95

Pro Pro Thr Ser Ile Tyr His Val Phe His Ser Arg Lys Asp Cys Ala
 100 105 110

Asp Pro Cys Asp Ser Xaa
 115

<210> 137

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals stop translation

<400> 137

Met Leu Thr Arg Leu Val Leu Ser Ala His Leu Ser Ser Thr Thr Ser
 1 5 10 15

Pro Pro Trp Thr His Ala Ala Ile Ser Trp Glu Leu Asp Asn Val Leu

20

25

30

Met Pro Ser Pro Arg Ile Trp Pro Gln Val Thr Pro Thr Gly Arg Ser
 35 40 45

Ala Ser Val Arg Ser Glu Gly Asn Thr Ser Ser Leu Trp Asn Phe Ser
 50 55 60

Ala Gly Gln Asp Val His Ala Ile Val Thr Arg Thr Cys Glu Ser Val
 65 70 75 80

Leu Ser Ser Ala Val Tyr Thr His Gly Cys Gly Cys Val Arg Ser Ala
 85 90 95

Thr Asn Ile Thr Cys Gln Ser Ser Gly Gln Gln Arg Gln Ala Ala Arg
 100 105 110

Gln Glu Glu Glu Asn Ser Ile Cys Lys Ala His Asp Ser Arg Glu Gly
 115 120 125

Arg Leu Gly Tyr Pro Leu Ser Ala His Gln Pro Gly Ser Gly Gly Pro
 130 135 140

Asn Xaa
 145

<210> 138

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals stop translation

<400> 138

Met Asn Arg Ile Leu Ser Tyr Leu Glu Thr Gly Phe Phe Ser Leu Pro
 1 5 10 15

Leu Tyr Phe Phe Leu Thr Tyr Glu Leu His Val Pro Leu Met Lys Thr
 20 25 30

Met Asn Trp Thr Cys Thr Thr Val His Val Ile Asp Xaa
 35 40 45

<210> 139

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals stop translation

<400> 139

Met Ala Leu Met Glu Val Asn Leu Leu Ser Gly Phe Met Val Pro Ser
 1 5 10 15

Glu Ala Ile Ser Leu Ser Glu Thr Val Lys Lys Val Glu Tyr Asp His
 20 25 30

Gly Lys Leu Asn Leu Tyr Leu Asp Ser Val Asn Glu Thr Gln Phe Cys
 35 40 45

Val Asn Ile Pro Ala Val Arg Asn Phe Lys Val Ser Asn Thr Gln Asp
 50 55 60

Ala Ser Val Ser Ile Val Asp Tyr Tyr Glu Pro Arg Arg Gln Ala Val
 65 70 75 80

Arg Ser Tyr Asn Ser Glu Val Lys Leu Ser Ser Cys Asp Leu Cys Ser
 85 90 95

Asp Val Gln Gly Cys Arg Pro Cys Glu Asp Gly Ala Ser Gly Ser His
 100 105 110

His Xaa Ser Ser Val Ile Phe Ile Phe Cys Phe Lys Leu Leu Tyr Phe
 115 120 125

Met Glu Leu Trp Leu Xaa
 130

<210> 140

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 140

Met Gln Lys Arg Glu Arg Lys Leu Tyr Val Ile Phe Leu Tyr Leu Ala
 1 5 10 15

Phe Ile Leu Leu His Trp Gln Ser Gly Xaa
 20 25

<210> 141

<211> 30

<212> PRT

<213> Homo sapiens

<400> 141

Met Phe Ala Phe Val Ile Leu Val Phe Ile Thr Ser Met Trp Ala Gln
 1 5 10 15

Thr Ile Ser Leu His Val Ser Ser Ser Glu Glu Val Ser Cys
 20 25 30

<210> 142

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals stop translation

<400> 142

Met Leu Arg Cys Ala Trp Ala Leu Ala Pro Pro Val Pro Pro Leu
 1 5 10 15

Val Thr Asp Leu Pro Phe Phe Phe Thr Leu Ser Pro Phe Leu Phe Ala
 20 25 30

Leu Glu Pro Pro Leu Pro Asp Leu Thr Asp Ser Ala Ser Met Ser Val
 35 40 45

Ile Val Asp Arg Arg Ser Arg Gly Ser Asp Thr Asn Cys Trp Leu Leu
 50 55 60

Asn Arg Arg Ser Lys His Pro Gly Ala Pro Arg Met Cys Thr Cys Lys
 65 70 75 80

Ala Asn Ser Asn Lys Tyr Thr Ser Ser Leu Thr Asp Xaa
 85 90

<210> 143

<211> 40

<212> PRT

<213> Homo sapiens

<400> 143

Met Arg Ala Asn Phe Arg Cys Trp Leu His Cys Thr Leu Tyr Leu Leu
 1 5 10 15

Cys Ser Pro Pro Ser Asn Gln Gly Ser Cys Gln Cys Thr Pro His Val
 20 25 30

Pro Trp Arg Ser Trp Cys Cys Glu
 35 40

<210> 144

<211> 82

<212> PRT

<213> Homo sapiens

<400> 144

Met Ser Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Asn Ser Pro
 1 5 10 15

Thr Ser Ala Ser Gln Val Ala Gly Ile Thr Arg Glu Glu Ala Glu Gly
 20 25 30

Gln Gly Gly Lys Gly Ile Gly Ser Gln Val His Gly Pro Leu Val Lys
 35 40 45

Pro Pro Leu Leu Trp Gly Leu Arg Lys His Arg Gly Gly Val Ser Cys
 50 55 60

Ser Ala Cys Pro His Ser Pro Ala Asn Asn Val Val Thr Ser Val Pro
 65 70 75 80

Asn Leu

<210> 145

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals stop translation

<400> 145

Met Asn Met Cys Trp Gln Ile Pro Asn Phe Ile Leu Ile Gln Val Ser
 1 5 10 15

Ser Glu Tyr Val His Ile Leu Ile Val Ile Val Thr Lys Thr Pro Gly
 20 25 30

Val Gln Ser Gly Ser Cys Cys Ser Leu His Arg Lys Pro Met Pro Glu
 35 40 45

Thr Thr Ser Val Ala Lys Glu Glu Gly Leu Ile Gly Cys Cys Ser Arg
 50 55 60

Gly Asp Gly Ser Ser Val Ser Asn Pro Ser Leu Xaa
 65 70 75

<210> 146

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 146

Met Arg Met Pro Ser His Thr His Ala Arg Phe Val Leu Phe Tyr Leu
 1 5 10 15
 Ile Leu Arg Asn Arg Ser Gly Gly Val Leu Pro Gly Cys Ser Asp Pro
 20 25 30
 Glu Gly Ser Gln Glu Ser Pro Gly Leu Gln Lys Ser Pro Pro Thr Gly
 35 40 45
 Ser Glu Ala Ser Leu Ser Trp Cys Ile Gln Thr Ala His Ser Arg Leu
 50 55 60
 Trp Ala Leu Thr Leu Gln Ile Pro Glu Ser Pro Pro Gly Leu Pro Ala
 65 70 75 80
 Leu Gly Pro Val Pro Xaa Ser Ser Lys Gly Gly Arg
 85 90

<210> 147

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 147

Met Leu Pro Lys Pro Gln Leu Ser Val Leu Thr Leu Thr Val Ala Leu
 1 5 10 15

Ser Xaa Ile Pro Gly Thr Xaa
 20

<210> 148

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 148

Met Glu Met Met Met Val Val Met Gly Cys Val Gln Gly Pro Gly Glu
 1 5 10 15

Gly Cys Ser Gly Lys Met Gly Lys Lys Pro Arg Pro Trp Pro Leu Val
 20 25 30

Ser Tyr Ser Ile Thr His Leu Xaa
35 40

<210> 149
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals stop translation

<400> 149
Met Leu Leu Tyr Gln Ile Asn Ile Pro Phe Ser Phe Ala Leu Ser Val
1 5 10 15

Leu Leu Ser Leu Cys Trp Pro His Gln His Tyr Tyr Pro Cys Tyr Ile
20 25 30

Ser Phe Xaa
35

<210> 150
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals stop translation

<400> 150
Met Cys Val Cys Val Phe Ser Phe Cys Leu Phe Cys Leu Phe Val Phe
1 5 10 15

Gly Met Val Leu Thr Val Leu Leu Cys His Pro Gly Trp Ser Ala Val
20 25 30

Val Xaa

<210> 151
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals stop translation

<400> 151

Met Leu Ile Phe Cys Gly Glu Tyr Trp Tyr Phe Cys Phe Asn Leu Leu
 1 5 10 15

Trp Val Val Val Pro Tyr Lys Phe Ser Phe Leu Ser Phe Gly Ser Val
 20 25 30

Ile Gln Ile Cys Pro Thr Ser Val Pro Pro Ile Gly Gln Ser Gly Ile
 35 40 45

Trp Val Xaa
 50

<210> 152

<211> 83

<212> PRT

<213> Homo sapiens

<400> 152

Met Arg Phe Leu Lys Leu Phe Ser His Asn Ile Leu Ile Gln Leu Lys
 1 5 10 15

Ile Ile Leu Lys Leu Lys Val Ser Ser Val Leu Pro Ser Val Lys Ser
 20 25 30

Leu Lys Asp Glu Arg Ile Ile Phe Ile Phe Gln Val Ser Leu Asn Lys
 35 40 45

Val Leu Ser Pro Cys Leu Arg Phe Tyr Pro Gln Arg Thr Ala Thr Phe
 50 55 60

Leu Ser Cys Gln Ile Glu Phe Val Gln Gln Leu Arg Asn Thr Gly Lys
 65 70 75 80

Ile Gln Asn

<210> 153

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals stop translation

<400> 153

Met Lys Glu Lys Gln Val Tyr His Ile Ser Lys Ile Lys Glu Glu Tyr
 1 5 10 15

Ser Ile Leu Ile Cys Leu Leu Ile Val Lys Met Ser Phe Pro Gln Ile
 20 25 30

Ala Pro Ile Gln Phe Lys Arg Lys His Ser Thr Lys Ile Gln Xaa
 35 40 45

<210> 154
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 154
 Met Trp Asp Gln Arg Pro Thr Lys Gly Thr Gln Asp Phe Gln Leu Leu
 1 5 10 15

Leu Leu Pro Gly Ile Cys Ser Ser Phe Ala Leu Leu Leu Asn Ala Leu
 20 25 30

Pro Phe Pro Ala Pro Ser Pro Ser Ile Gly Thr Cys Leu Cys Ala Ser
 35 40 45

Xaa

<210> 155
 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals stop translation

<400> 155
 Met Gln Trp Val His Ile Ala Glu Thr Gly Asn Glu Lys Phe Ser Phe
 1 5 10 15

Phe Leu Phe Phe Phe Cys Gly Gly Trp Gly Gln Ser Leu Thr Leu Ser
 20 25 30

Pro Arg Gln Glu Cys Ser Gly Ala Ile Ser Ala His Cys Asn Leu Pro
 35 40 45

Pro Pro His Leu Gln Val Gln Ala Ile Leu Val Pro Pro Pro Pro Glu
 50 55 60

Gln Leu Ala Leu Gln Val His Ala Xaa Thr Leu Gly Xaa
 65 70 75

<210> 156

<211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 156
 Met Phe Tyr Asp Val Gln Gly Pro Ser His Ser Ser Glu Met Cys Phe
 1 5 10 15

Phe Val Phe Phe Val Cys Leu Phe Leu Phe Leu Met Asn Glu Ser
 20 25 30

Lys Gly Xaa
 35

<210> 157
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals stop translation

<400> 157
 Met Val Leu Leu Leu Trp Arg Leu Phe Phe Pro Val Gly Leu Met Arg
 1 5 10 15

Ile Ala Gln Pro Leu Gly His Leu Ile Lys His Arg Glu Thr Tyr Ser
 20 25 30

Leu Arg His Trp Cys Leu His Thr Gln Val Met Leu Gly His Gly Asp
 35 40 45

Glu Thr Ala Pro Leu Leu Ile Phe Leu Lys Lys Pro Ser Cys His Ile
 50 55 60

Xaa
 65

<210> 158
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals stop translation

<400> 158

Met Ser Ile Gln Val Leu Cys Pro Leu Phe Cys Phe Ala Ser Phe Phe
 1 5 10 15

Ile Leu Gly Ser Arg Gly Glu Cys Ala Gly Phe Tyr Thr His Val Leu
 20 25 30

Gln Asp Pro Arg Ala Trp Ala Ser Asn Asp Pro Ala Thr Gln Val Val
 35 40 45

Asn Ile Val Pro Asn Arg Glu Phe Ser Thr Leu Ala Leu Leu Pro
 50 55 60

Pro His Phe Trp Asn Pro Trp Cys Pro Leu Phe Pro Cys Cys Ala Met
 65 70 75 80

Cys Pro Gln Cys Xaa
 85

<210> 159

<211> 93

<212> PRT

<213> Homo sapiens

<400> 159

Met Arg Ser Leu Ser Phe Leu Phe Thr Trp Glu Asn Leu Tyr Phe Ser
 1 5 10 15

Phe Thr Phe Glu Val Tyr Phe Tyr Trp Met Tyr Tyr Ser Arg Met Lys
 20 25 30

Val Phe Ser Phe Asn Thr Leu Asn Met Leu Cys His Phe Leu Leu Ala
 35 40 45

Cys Lys Val Ser Leu Arg Ser Leu Leu Gln Asp Val Trp Glu Leu Ile
 50 55 60

Cys Met Leu Phe Val Ser Phe Leu Leu Leu Pro Ser Phe Lys Ile Leu
 65 70 75 80

Ser Leu Ser Leu Thr Phe Gly Ser Leu Ile Ile Lys Cys
 85 90

<210> 160

<211> 42

<212> PRT

<213> Homo sapiens

<400> 160

Met Ala Gly Arg Gly Arg Gly Arg Val Ala Ser Ser Trp Val Gly Gly
 1 5 10 15

Thr Gly Pro Thr Cys Cys Gly Cys Lys Trp Pro Gly Gln Leu Thr Glu
 20 25 30

His Leu Leu Phe Ala Asp Pro Thr Leu Arg
 35 40

<210> 161
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 161
 Met Ser Arg Ala Asn Lys Glu Ile Met Leu Leu Leu Pro Ala Asp Val
 1 5 10 15
 Pro Leu Val Tyr Ser Val Val Ser Val Gly Arg Val Thr Leu Arg Xaa
 20 25 30

<210> 162
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 162
 Met Trp Asn Phe Ser Cys Ser Thr Ser Ile Cys Glu Tyr Gly Phe Leu
 1 5 10 15
 Lys Phe Leu Val Leu Tyr Leu Leu Ser Thr Ser Met Ser Ser Pro Leu
 20 25 30
 Ile Gly Pro Glu Pro His Ser Pro Thr Lys Cys Lys Ile Lys Xaa
 35 40 45

<210> 163
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals stop translation

<400> 163
 Met Val Phe Val Val Leu Leu Pro Glu Met Ile Pro Leu Thr Ala Glu
 1 5 10 15

Glu Gly Gly Gly Trp Lys Lys Ser Arg Ser Asp Pro Lys Thr Leu Pro
20 25 30

Val Gln Ala Phe Val Phe Lys Cys Gln Ala Trp Gly Pro Arg Arg Arg
35 40 45

Arg Glu Gly Leu Pro Trp Asp Ser Ser Lys Leu Ser Pro Leu Ser Ser
50 55 60

Thr Arg Leu Thr Thr Cys Ser Pro Pro Pro Thr Ser Gly Arg Gly Leu
65 70 75 80

Gln Gly Thr Gln Glu Ala Ala Pro Trp Thr Pro Gly Pro Ser Pro Thr
85 90 95

Lys Pro Ser Val Pro Lys Ala Pro Asp Pro Glu Leu Ala Arg Thr Met
100 105 110

Gln Ala Gly Leu Leu Trp Val Leu Ala Glu Pro Ala Thr Asn Gly Gly
115 120 125

Arg Glu Gly Arg Arg Ser Leu Thr Phe Ser Gln Asn Lys Pro Arg Arg
130 135 140

Asn Pro Arg Lys Ala Glu Val Leu Phe Phe Ala Asn Pro Val Xaa
145 150 155

<210> 164

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals stop translation

<400> 164

Met Val Val Pro Ala Asp Ser Gly Gly Leu Pro Arg Arg Thr Glu Lys
1 5 10 15

Leu Leu Cys Val Met Leu Leu Leu Leu Glu Arg Met Ala Leu Cys Pro
20 25 30

Val Leu Asp Val His Thr His Leu Gly Cys Ile Ile Cys Val Ala Cys
35 40 45

Gln Pro Val Arg Thr Val Leu Ser Leu Leu Thr Ala Ser Ile Gln Glu
50 55 60

Gly Ser Arg Leu Ser Gly His Phe Gln Thr Leu Pro His Gln Thr Asp
65 70 75 80

Thr Thr Phe His Lys Gly Ser Lys Leu Xaa
85 90

<210> 165
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 165
 Met Thr Leu Ile Thr Pro Ala Arg Ile Thr Leu Thr Xaa Gly Asn Lys
 1 5 10 15
 Ser Trp Ser Ser Thr Ala Val Ala Ala Leu Glu Leu Val Asp Pro
 20 25 30
 Pro Gly Cys Arg Asn Ser Ala Arg Asp Arg Cys Met His Thr Pro Leu
 35 40 45
 Cys Val Cys Met Cys Val Cys Val Cys Val Cys Arg Gly Ile Leu Val
 50 55 60

<210> 166
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals stop translation

<400> 166
 Met Ser Leu Phe Cys Leu Lys Leu Leu Ser Gly Cys Leu Trp Leu Ser
 1 5 10 15
 Gly Ser Glu Pro His His Gly Leu Gly Phe Leu Leu Trp Pro Leu Ala
 20 25 30
 Phe Ala Ser Cys Ser Ile Leu Ile Leu Asn Tyr Ala Lys Pro Phe Leu
 35 40 45
 Asn Pro Ala Pro Cys Ser Leu Cys Leu Glu Leu Pro Ser Gln Ala Phe
 50 55 60
 Leu Cys Arg Ser Phe Ser Ser His Leu Leu Ser Glu Pro Ser Leu Val
 65 70 75 80
 Thr Pro Phe His His Pro Val Cys Phe Leu Pro Ile Ile Trp Phe Pro
 85 90 95
 Trp Arg Leu Met Ser Val Ser Pro Gln Trp Asn Val Gly Leu Met Ala
 100 105 110

Gln Ala His Arg Gly His Cys Cys Val Gln Gly Ser Val Arg Met Pro
115 120 125

Arg Cys Ala Trp Met Trp Arg Trp Pro Ala Gly Trp Gly Cys His Leu
130 135 140

Ala Xaa
145

<210> 167
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals stop translation

<400> 167
Met Gly Thr Glu Gln Ser Leu Gly Tyr Arg Val Gln Gly Leu Leu Leu
1 5 10 15

Val Leu Ser Leu His Val Ser Gln Arg Gly Leu Cys Gly Ser Leu Pro
20 25 30

Pro Ser Met Ser Ser Glu Glu Arg Lys Gln Arg Pro Trp Ser Ser Gln
35 40 45

Tyr Gly Glu His Cys Val Pro Asp Thr Pro Leu Arg Val Lys Val Arg
50 55 60

Arg His Ile Leu Xaa
65

<210> 168
<211> 89
<212> PRT
<213> Homo sapiens

<400> 168
Met Arg Glu Thr Thr Pro Met Ile Gln Leu Pro Pro Ser Gly Ser Pro
1 5 10 15

Phe Ile Cys Gly Asp Tyr Glu Tyr Tyr His Leu Arg Glu Ile Leu Asn
20 25 30

Gly Ser Thr Asp Pro Asn His Ser Thr Ala Leu Arg Tyr Leu Ile Ile
35 40 45

Lys Leu Pro Lys Val Lys Gly Lys Glu Arg Ile Leu Lys Ile Ala Arg
50 55 60

Glu Lys Lys Gln Ile Thr Cys Asn Gly Ala Pro Ile Cys Leu Ala Ala
65 70 75 80

Asp Val Ser Val Glu Thr Leu Leu Val
85

<210> 169
<211> 88
<212> PRT
<213> Homo sapiens

<400> 169
Met His Phe Trp Thr Gly Pro Arg Phe Gln Leu Gly Leu Ala Gly Val
1 5 10 15

Pro Ala Ala Gln Phe Glu Thr Ser His Ile Glu Ser Arg Ala Arg Ser
20 25 30

Arg Ala Cys Gly Lys Phe Leu Gly Phe Cys Ser Ser Arg Thr Val Pro
35 40 45

Ser Ala Trp Cys Glu Ala Leu Met Glu Pro Ala Val Ile Gly Tyr Glu
50 55 60

Thr Lys Ser Leu Pro Ile His Gly Cys Pro Phe Ile His Trp His Arg
65 70 75 80

Thr Pro Gly Thr Asn Glu Gly Asp
85

<210> 170
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals stop translation

<400> 170
Met Leu Asp Pro Ala Ala Ser Gly Thr Phe Arg Ala Leu Leu Leu Leu
1 5 10 15

Ser His Pro Phe Leu Asp Trp Ser Leu Ser Asp Pro His Cys Glu Ser
20 25 30

Leu Asn Gln Lys Xaa
35

<210> 171
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 171

Met	Ser	His	Asn	Ile	Gln	Pro	Leu	Phe	Ser	Phe	Leu	Thr	Leu	Leu	Ser
1				5					10					15	

Tyr	Phe	Leu	Phe	His	Phe	Leu	Ser	Leu	Pro	Ser	Ser	Phe	Phe	Pro	Asn
		20						25					30		

Tyr Xaa

<210> 172

<211> 36

<212> PRT

<213> Homo sapiens

<400> 172

Met	Pro	Ser	Leu	Pro	Ile	Arg	Val	Thr	Lys	Phe	Ser	Glu	Ile	Gly	Asn
1				5				10						15	

Trp	Gln	Leu	Lys	Ala	Val	Ser	Thr	Thr	Arg	Phe	Leu	Leu	Pro	Leu	Lys
		20						25					30		

Lys	Asn	His	Phe
		35	

<210> 173

<211> 57

<212> PRT

<213> Homo sapiens

<400> 173

Met	Leu	Leu	Lys	Ser	Thr	Gly	Ser	Phe	Leu	Glu	Phe	Gly	Leu	Gln	Glu
1				5				10						15	

Ser	Cys	Ala	Glu	Phe	Trp	Thr	Ser	Ala	Asp	Asp	Ser	Ser	Ala	Ser	Asp
		20						25					30		

Glu	Ile	Arg	Leu	Glu	Leu	Cys	Phe	Leu	Ser	Pro	Ser	Thr	Ser	Tyr	Leu
		35						40					45		

Val	Val	Ser	Phe	Leu	Met	Val	Arg	Ser
		50					55	

<210> 174

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals stop translation

<400> 174

Met Tyr Val Lys Ala Ser Ala Val Thr Val Ser Arg Asp Glu Ala Leu
 1 5 10 15

Thr Pro Cys Leu Pro Asp Pro His Trp Asn Ala Pro Phe Ala Arg His
 20 25 30

Leu Leu Gln Pro Ser Cys Ser Phe Leu Glu Phe Pro Xaa
 35 40 45

<210> 175

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals stop translation

<400> 175

Met Leu Ser Glu Thr Pro His Ala Arg Arg Gly Arg Ala Phe Leu Thr
 1 5 10 15

Asp Ser Leu Pro Met Val Ile Pro Ser Leu Leu Leu Pro Pro Gly
 20 25 30

Arg Ala Ser Leu Ala Glu Pro Thr Leu Arg Ser Val Lys Gly Gln Pro
 35 40 45

Leu Thr Leu Ser Gln His Met Glu Asp Leu Ala Val Ser Arg Glu Asn
 50 55 60

Cys Ser His Tyr Arg Val Gln Leu Cys Pro Pro Ala Pro Ala Pro Ser
 65 70 75 80

Ala Pro Arg Leu Thr Leu Met Ala Leu Ser Cys Ser Ser Leu Pro Xaa
 85 90 95

<210> 176

<211> 83

<212> PRT

<213> Homo sapiens

<400> 176

Met Trp Asp Thr Phe Val Arg Asp Arg Asp Phe Ser Ala Tyr Leu Phe
 1 5 10 15

Leu His Leu Leu Pro Pro Leu Ser Ala Cys Gly Leu Asn Cys Gln Pro
 20 25 30

Leu His Leu Leu Pro His Cys Leu Gly Ser Ser Tyr Gln Ser Ser Arg

35

40

45

Leu Ala Ser Gly Met Pro Leu Leu Gly Ile His Pro Leu Thr Gly Gln
 50 55 60

Asp Met Thr His Gly Cys Ile Leu Ile Ala Leu His Leu Phe Leu Leu
 65 70 75 80

Ser Pro His

<210> 177

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 177

Met Val Arg Ser Ser Ser His Phe Lys Phe Phe Leu Met Leu Phe Thr
 1 5 10 15

Ser Thr Leu Gln Asp Val Gly His Thr Ser His Pro Ser Ala Gln Pro
 20 25 30

Ser Ser Arg Leu Ser Asp Ser Pro Leu Ile Cys Leu Ile Asn Arg Gln
 35 40 45

Val Xaa
 50

<210> 178

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 178

Met Thr Pro Gly Val Gly Ala Glu Pro Arg Gly Glu Gly Cys Lys Gly
 1 5 10 15

Lys Ala Val Arg Gly Leu Gly Gly Glu Arg Val Ser Pro Val Leu Leu
 20 25 30

Val Leu His Leu Arg Ser Pro Ser Pro Val Glu Gly Glu Gln Ser Gln
 35 40 45

Arg Gln Trp Gly Val Gln Phe Trp Asn Leu Glu Glu Xaa
 50 55 60

<210> 179
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals stop translation

<400> 179
 Ile Leu Gly Phe Ser Phe Ala Val Gly Glu Gly Lys Trp Gly Xaa Phe
 1 5 10 15
 Cys Leu Leu Val Pro Gly Ile Met Leu His Ile Ile His Leu Leu Ser
 20 25 30
 His Leu Ile Xaa Pro Asn Pro Xaa
 35 40

<210> 180
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals stop translation

<400> 180
 Met Pro Leu Asp Leu Leu Phe Leu Ile Thr Tyr Phe Leu Leu Ser Val
 1 5 10 15
 Ile Leu Lys Val Leu Tyr Ile Asp Ala Pro Gly His Leu Gly Met Pro
 20 25 30
 Ile Ser Leu Cys Ser Ser Ala Val Val Trp Val Lys Val Asp Leu Val
 35 40 45
 Ser Glu Lys Gly Xaa
 50

<210> 181

<211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 181
 Met Ser Val Leu Ser Gly Phe Leu Phe Ile Val Val Val Cys Cys Tyr
 1 5 10 15

Cys Cys Phe Val Ala Arg Leu Gln Leu Thr Lys Tyr Glu Phe Lys Asn
 20 25 30

Cys Val Val Ile Phe Arg Asp Leu Xaa
 35 40

<210> 182
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 182
 Met Glu Arg Asp Thr Arg Glu Lys Cys Leu Trp Ser Leu Pro Tyr Pro
 1 5 10 15

Lys Leu Leu Cys Asn Leu Leu Ala Ser His Phe Leu Ser Ile Leu Ser
 20 25 30

Phe Phe Ile Tyr Ser Ile Gly Phe Leu Asp Leu Val Val Ser Asn Thr
 35 40 45

Leu Pro Val Phe Gln Phe Asp Val Thr Phe Tyr Pro Val Thr Lys Phe
 50 55 60

Ile Phe Gln Lys His Ser Met Leu Cys His Thr Ala Asn Leu Val Asn
 65 70 75 80

Val Pro Asp Met Val Trp Leu Cys Pro His Pro Asn Leu Ile Leu Asn
 85 90 95

Cys Ser Ser His Asn Pro His Met Xaa
 100 105

<210> 183
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals stop translation

<400> 183
 Met Asp Tyr Glu Val Ile Ser Gln Asn Val Arg Lys Arg Tyr Arg Ala
 1 5 10 15
 Leu Glu Leu Leu Tyr Leu Leu Leu Asn Leu Asn Ile Thr Ala Thr Asn
 20 25 30
 Lys Gly Tyr Gln Asp Lys Val Xaa
 35 40

<210> 184
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 184
 Met Ile Tyr Phe Leu Leu Leu Pro Glu Ala Gln Gly Glu Phe Ser
 1 5 10 15
 Ser Ile Phe Thr Val Arg Thr Trp Xaa
 20 25

<210> 185
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals stop translation

<400> 185
 Met Cys Pro Pro Ser Gln Arg Ala Pro Thr His Leu Leu Cys Pro Trp
 1 5 10 15
 Val Asp Pro Gly Pro Val Val Leu Gly Leu Ser Leu Trp Val Leu Ala
 20 25 30
 Gly Gly Met Gly Glu Gly Gly Glu Gln Leu Pro Ala Pro Leu Leu Cys
 35 40 45
 Gly Ser Ser Phe Phe Xaa
 50

<210> 186
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals stop translation

<400> 186
 Met Leu Leu Asn Thr Ser Phe Thr Arg Glu Ile Ile Ile Ser Gln Arg
 1 5 10 15

Glu Ser Asn Trp Leu Val Leu Leu Leu Leu Phe Phe Pro Val Ile
 20 25 30

Cys Phe Ile Glu Arg Ser Leu Cys Gly Gly Thr Asp Phe Leu Asn Thr
 35 40 45

Leu Xaa His Thr His Thr Tyr Thr Pro Ser Ile Tyr Gly Ala Met His
 50 55 60

Arg Xaa
 65

<210> 187
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 187
 Met Leu Leu Phe Leu Ile Leu Phe Phe Tyr Glu Lys Asn Gln Cys Gln
 1 5 10 15

Ser Ala Asp Pro Leu Xaa
 20

<210> 188
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)

<223> Xaa equals stop translation

<400> 188

Ile Pro Asn Glu Met Ala Gly Ser Ile Trp Pro Leu Gly Tyr Leu Ala
1 5 10 15

Thr Leu Xaa

<210> 189

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 189

Met Phe Pro Phe Pro Phe Phe His Leu Val Ile Leu Gly Phe Leu Leu
1 5 10 15

Leu His Ser Phe Leu Pro Pro Xaa
20

<210> 190

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals stop translation

<400> 190

Met Ser Gln Thr Leu Val Ala Leu Pro Glu Arg Asn Glu Asn Ala Gln
1 5 10 15

Pro His Pro Cys Thr Leu Cys Ser Phe Leu Phe Asn Thr Glu Glu Pro
20 25 30

Glu Trp Arg Gly Pro Ala Gly Leu Gln Xaa
35 40

<210> 191

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals stop translation

<400> 191
Met Ser Xaa
1

<210> 192
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals stop translation

<400> 192
Met Trp Asp Thr Phe Val Arg Asp Arg Asp Phe Ser Ala Tyr Leu Phe
1 5 10 15
Leu His Leu Leu Pro Pro Leu Ser Ala Cys Gly Leu Asn Ala Ser Leu
20 25 30
Tyr Thr Ala Thr Pro Ile Val Trp Val Xaa His Thr Ser Pro Gln Asp
35 40 45
Xaa

<210> 193
<211> 41
<212> PRT
<213> Homo sapiens

<400> 193
Thr Pro Cys Thr Val Thr Ser Pro Leu Leu Pro Leu Pro Thr Val Ile
1 5 10 15
Gly Thr Ser Thr Arg Ala Val Pro Ser Gln Trp Lys Gly Lys Gly Trp
20 25 30
Gly Leu Gly Glu Gly Trp Gly Asp Pro
35 40

<210> 194
<211> 38
<212> PRT
<213> Homo sapiens

<400> 194
Ala Arg Thr Gln Arg Val Arg Gln Cys His Leu Ala Thr Trp Gly Lys

1 5 10 15

Ala Ser Ala Ser Asn Asn Ser Leu Ser Cys Ser Leu Ile Trp Asp Phe
20 25 30

Lys Thr Gln Met Lys Thr
35

<210> 195

<211> 37

<212> PRT

<213> Homo sapiens

<400> 195

His Thr His Pro Pro Pro Ser Ala Cys Leu His His Leu Lys Ser Lys
1 5 10 15

Phe His Leu Lys Ile Ser Phe Leu Phe Phe Phe Phe Leu Phe Leu Phe
20 25 30

Val Tyr Thr Asn Ile
35

<210> 196

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 196

Met Val Pro Arg Thr Ser His Thr Ala Ala Phe Leu Ser Asp Thr Lys
1 5 10 15

Asp Arg Gly Pro Pro Val Gln Ser Gln Ile Trp Arg Ser Gly Glu Lys
20 25 30

Val Pro Phe Val Gln Thr Tyr Ser Leu Arg Ala Phe Glu Lys Pro Pro
35 40 45

Gln Val Gln Thr Gln Ala Leu Arg Asp Phe Glu Lys His Leu Asn Asp
50 55 60

Leu Lys Lys Glu Asn Phe Ser Leu Lys Leu Xaa Ile Tyr Phe Leu Glu
65 70 75 80

Glu Arg Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu Asp Ile Tyr Lys
85 90 95

Arg Asn Thr Glu Leu Lys Val Glu Val Glu Ser Leu Lys Arg Glu Leu
100 105 110

Gln Asp Lys Lys Gln His Leu Asp Lys Thr Trp Ala Asp Val Glu Asn
115 120 125

Leu Asn Ser Gln Asn Glu Ala Glu Leu Arg Arg Gln Phe Glu Glu Arg
130 135 140

His Xaa Glu Thr Glu His Val Tyr Glu Leu Leu Glu Asn Lys Xaa Gln
145 150 155 160

Leu Leu Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu Ala Ala Arg Met
165 170 175

Ala Ala Leu Val Glu Ala Glu Lys Glu Cys Asn Leu Glu Leu Ser Glu
180 185 190

Lys Leu Lys Gly Val Thr Lys Asn Trp Glu Asp Val Pro Gly Asp Gln
195 200 205

Val Lys Pro Asp Gln Tyr Thr Glu Ala Leu Ala Gln Arg Asp Lys
210 215 220

<210> 197

<211> 239

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 197

Met Glu Gln Thr Trp Thr Arg Asp Tyr Phe Ala Glu Asp Gly Glu
1 5 10 15

Met Val Pro Arg Thr Ser His Thr Ala Ala Phe Leu Ser Asp Thr Lys
20 25 30

Asp Arg Gly Pro Pro Val Gln Ser Gln Ile Trp Arg Ser Gly Glu Lys
 35 40 45
 Val Pro Phe Val Gln Thr Tyr Ser Leu Arg Ala Phe Glu Lys Pro Pro
 50 55 60
 Gln Val Gln Thr Gln Ala Leu Arg Asp Phe Glu Lys His Leu Asn Asp
 65 70 75 80
 Leu Lys Lys Glu Asn Phe Ser Leu Lys Leu Xaa Ile Tyr Phe Leu Glu
 85 90 95
 Glu Arg Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu Asp Ile Tyr Lys
 100 105 110
 Arg Asn Thr Glu Leu Lys Val Glu Val Glu Ser Leu Lys Arg Glu Leu
 115 120 125
 Gln Asp Lys Lys Gln His Leu Asp Lys Thr Trp Ala Asp Val Glu Asn
 130 135 140
 Leu Asn Ser Gln Asn Glu Ala Glu Leu Arg Arg Gln Phe Glu Glu Arg
 145 150 155 160
 His Xaa Glu Thr Glu His Val Tyr Glu Leu Leu Glu Asn Lys Xaa Gln
 165 170 175
 Leu Leu Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu Ala Ala Arg Met
 180 185 190
 Ala Ala Leu Val Glu Ala Glu Lys Glu Cys Asn Leu Glu Leu Ser Glu
 195 200 205
 Lys Leu Lys Gly Val Thr Lys Asn Trp Glu Asp Val Pro Gly Asp Gln
 210 215 220
 Val Lys Pro Asp Gln Tyr Thr Glu Ala Leu Ala Gln Arg Asp Lys
 225 230 235

<210> 198

<211> 29

<212> PRT

<213> Homo sapiens

<400> 198

Tyr Phe Ala Glu Asp Asp Gly Glu Met Val Pro Arg Thr Ser His Thr
 1 5 10 15

Ala Ala Phe Leu Ser Asp Thr Lys Asp Arg Gly Pro Pro
 20 25

<210> 199

<211> 27

<212> PRT

<213> Homo sapiens

<400> 199

Gly	Pro	Val	Gln	Ser	Gln	Ile	Trp	Arg	Ser	Gly	Glu	Lys	Val	Pro
1				5				10					15	

Phe	Val	Gln	Thr	Tyr	Ser	Leu	Arg	Ala	Phe	Glu
			20					25		

<210> 200

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 200

Asn	Asp	Leu	Lys	Lys	Glu	Asn	Phe	Ser	Leu	Lys	Leu	Xaa	Ile	Tyr	Phe
1				5					10					15	

Leu	Glu	Glu	Arg	Met	Gln	Gln	Lys
			20				

<210> 201

<211> 22

<212> PRT

<213> Homo sapiens

<400> 201

Leu	Lys	Val	Glu	Val	Glu	Ser	Leu	Lys	Arg	Glu	Leu	Gln	Asp	Lys	Lys
1				5					10					15	

Gln	His	Leu	Asp	Lys	Thr
			20		

<210> 202

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 202

Glu	Leu	Arg	Arg	Gln	Phe	Glu	Glu	Arg	His	Xaa	Glu	Thr	Glu	His	Val
1				5					10					15	

Tyr	Glu	Leu	Leu	Glu
			20	

<210> 203

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 203
 Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu Ala Ala Arg Met Ala Ala
 1 5 10 15

Leu Val Glu Ala Glu Lys Glu Cys Asn
 20 25

<210> 204
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Thr Ala Ala Phe Leu Ser Asp Thr Lys Asp Arg Gly Pro Pro Val
 1 5 10 15

Gln Ser Gln Ile Trp Arg Ser Gly Glu
 20 25

<210> 205
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 205
 Gln Thr Tyr Ser Leu Arg Ala Phe Glu Lys Pro Pro Gln Val Gln Thr
 1 5 10 15

Gln Ala Leu Arg Asp Phe Glu Lys His Leu Asn
 20 25

<210> 206
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 206
 Glu Arg Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu Asp Ile Tyr Lys
 1 5 10 15

Arg Asn Thr Glu Leu Lys Val Glu
 20

<210> 207
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 207
 Lys Arg Glu Leu Gln Asp Lys Lys Gln His Leu Asp Lys Thr Trp Ala

1 5 10 15

Asp Val Glu Asn Leu Asn Ser Gln Asn
20 25

<210> 208
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 208
Leu Leu Glu Asn Lys Xaa Gln Leu Leu Gln Glu Glu Ser Arg Leu Ala
1 5 10 15

Lys Asn Glu Ala Ala Arg Met Ala Ala Leu
20 25

<210> 209
<211> 23
<212> PRT
<213> Homo sapiens

<400> 209
Asn Leu Glu Leu Ser Glu Lys Leu Lys Gly Val Thr Lys Asn Trp Glu
1 5 10 15

Asp Val Pro Gly Asp Gln Val
20

<210> 210
<211> 228
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 210

Ile	Arg	His	Glu	Leu	Leu	Pro	Ala	Leu	His	Leu	Gln	Ala	His	Asp	Ala
1				5					10					15	

Ala	Tyr	Asn	Leu	Leu	Phe	Phe	Ala	Ser	Gly	Gly	Gly	Lys	Phe	Asn	Tyr
		20						25					30		

Gln	Gly	Thr	Lys	Arg	Trp	Leu	Glu	Asp	Asn	Leu	Asp	His	Thr	Gly	Glu
	35					40						45			

Arg	Pro	Arg	Val	Gly	Val	Gly	Val	Pro	Arg	Trp	Trp	Cys	Arg	Gly	Glu
	50					55					60				

Ala	Xaa	Arg	Pro	Arg	Gly	Cys	His	Gly	Gly	Ser	Gln	Glu	Ala	Gln	Arg
65					70					75				80	

Glu	Gly	Arg	Gly	Pro	Leu	Pro	Gly	Pro	His	Pro	Pro	Arg	Gln	Leu	Ser
			85					90						95	

Val	Ser	Cys	Arg	Leu	Gln	Pro	Ala	Ser	Gly	Gln	Cys	Gly	Leu	Arg	Ala
			100					105					110		

Val	Pro	Gly	His	Arg	Gly	Pro	Gly	Gln	Gln	Pro	Ala	Pro	Ala	Xaa	Val
		115					120						125		

Arg	Pro	Xaa	Arg	Glu	Gly	Thr	Leu	Gln	His	Ala	Phe	Xaa	Arg	Glu	Leu
	130					135						140			

Glu	Thr	Val	Ala	Ala	His	Gln	Phe	Pro	Glu	Val	Arg	Phe	Ser	Met	Val
145					150					155				160	

His	Lys	Arg	Ile	Asn	Leu	Ala	Glu	Asp	Val	Leu	Ala	Trp	Glu	His	Glu
			165						170					175	

Arg	Phe	Ala	Ile	Arg	Arg	Leu	Pro	Ala	Phe	Thr	Leu	Ser	His	Leu	Glu
		180						185					190		

Ser	His	Arg	Asp	Gly	Gln	Arg	Ser	Ser	Ile	Met	Asp	Val	Arg	Ser	Arg
		195					200					205			

Val	Asp	Ser	Lys	Thr	Leu	Ile	Arg	Leu	Pro	Gln	Pro	Pro	Lys	Val	Leu
	210					215					220				

Gly	Leu	Arg	Val
225			

<210> 211

<211> 49

<212> PRT

<213> Homo sapiens

<400> 211

His Glu Asp His Cys Arg Gly Pro Asp Ser Ser His Leu Gln Pro Asp

1	5	10	15
Arg Glu Gly Asp Thr Pro Arg His Ala Gly Val His Arg Ala Asp Asp			
20	25	30	
Pro Ala Gly Ala Ala Gly Leu Gly Asp Gly Leu Ala His Gln Pro Ala			
35	40	45	

Ala

<210> 212
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 212		
Gly Arg Gln Leu Val Asp Lys Asp Ser Thr Phe Leu Ser Thr Leu Glu		
1	5	10
His Xaa Leu Ser Xaa Tyr Leu Lys Asp Val Lys Gln His His Val Lys		
20	25	30
Ala Asp Lys Arg Asp Pro Glu Phe Val Phe Tyr Asp Gln Leu Lys Gln		
35	40	45

Val

<210> 213
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 213		
Thr Cys Ser Cys Val His Thr Leu Phe Pro Tyr Ala Phe Phe Met Phe		
1	5	10
Ser His Met Cys Ser Arg Val Pro Cys Ile His Ser Tyr Val Cys Pro		
20	25	30
Ser His Gly His Gly Ser Ala Leu Glu Arg Val Trp Val Gly Met Cys		
35	40	45

Asn Leu Ser Ser
 50

<210> 214
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 214
 Ile Tyr Leu Asn Ile Gln Val Val Arg Gly Gln Arg Lys Val Ile Cys
 1 5 10 15
 Leu Leu Lys Glu Gln Ile Ser Asn Glu Gly Glu Asp Lys Ile Phe Leu
 20 25 30
 Ile Asn Lys Leu His Ser Ile Tyr
 35 40

<210> 215
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 215
 Glu Arg Lys Glu Arg Glu Glu Arg Ser Arg Val Gly Thr Thr Glu Glu
 1 5 10 15
 Ala Ala Ala Pro Pro Ala Leu Leu Thr Asp Glu
 20 25

<210> 216
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 216
 Arg His Glu Met Glu Asn Thr
 1 5

<210> 217
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 217
 Tyr Pro Leu Leu Leu Phe Lys Arg Glu
 1 5

<210> 218
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 218
 His Pro Ser Asn His Cys Ser Asp Val His Phe His

1 5 10

<210> 219
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 219
 Ile Asp Tyr Thr Asp Lys Met Tyr Trp Ile
 1 5 10

<210> 220
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 220
 Leu Thr Leu His Leu Arg Gly Ser Ser Asp Thr Val Ser Val Leu Gln
 1 5 10 15
 Met Lys Met Arg Phe Phe Ser Ser Pro Cys Gly Lys Ala Ala Val Asp
 20 25 30
 Pro Ala Asp Arg Cys Lys Glu Val Gln Gln Ile Arg Asp
 35 40 45

<210> 221
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 221
 Gln His Pro Ser Lys Ile Pro Val Ile Ile Glu Arg Tyr Lys Gly Glu
 1 5 10 15
 Lys Gln Leu Pro Val Leu Asp Lys Thr Lys Phe Leu Val Pro Asp His
 20 25 30
 Val Asn Met Ser Glu Leu Val Lys Ile Ile Arg Arg Arg Leu Gln Leu
 35 40 45
 Asn Pro
 50

<210> 222
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 222
 Thr Gln Ala Phe Phe Leu Leu Val Asn Gln His Ser Met Val Ser Val
 1 5 10 15
 Ser Thr Pro Ile Ala Asp Ile Tyr Glu Gln Glu Lys Asp Glu Asp Gly

20

25

30

Phe Leu Tyr Met Val Tyr Ala Ser Gln Glu Thr Phe Gly Phe
 35 40 45

<210> 223

<211> 19

<212> PRT

<213> Homo sapiens

<400> 223

Ala Glu Gly Arg Ile Leu Ala Ser Pro Val Arg Val Pro Ser Ser His
 1 5 10 15

Thr Gly Ala

<210> 224

<211> 59

<212> PRT

<213> Homo sapiens

<400> 224

Leu Ala Pro His Gly Pro Phe His Gln Cys Gly Gly Arg Phe Ser Gln
 1 5 10 15

Ala Val Arg Ser Gly Leu Ile Pro Cys His Arg Ala Trp Leu Cys Gln
 20 25 30

Val Ser Leu Val Ser Gln Arg Leu Glu Gly Val Lys Gly Gln Gly Ser
 35 40 45

Ala Pro Pro Pro Ala Ser Leu Gly Arg Pro Val
 50 55

<210> 225

<211> 45

<212> PRT

<213> Homo sapiens

<400> 225

Glu Phe Gly Thr Ser Phe Thr Pro Cys Ser Leu Ser Cys Thr His Thr
 1 5 10 15

His Thr His Thr Pro Gln Glu Thr Leu Pro Gln Leu Ser Pro Asn Pro
 20 25 30

Ala Glu Gln Pro Ser Val Ala Pro Gln Cys Leu Lys Asn
 35 40 45

<210> 226

<211> 19

<212> PRT

<213> Homo sapiens

<400> 226

Ala Cys Glu Gly Pro Ala Trp Glu Ser Tyr Thr Leu Ser Pro Ser Ala
 1 5 10 15

Lys Gln Pro

<210> 227

<211> 9

<212> PRT

<213> Homo sapiens

<400> 227

Ile Asn Gln Asn His Ser Ile Leu Lys
 1 5

<210> 228

<211> 28

<212> PRT

<213> Homo sapiens

<400> 228

His Arg Ile His Phe Thr Tyr Leu Thr Ser Thr Ile Ser Ser Asp Thr
 1 5 10 15

Phe Ser Met Lys Gln Thr Ile Ala Ile Phe Lys Ile
 20 25

<210> 229

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 229

Asn Phe Ser Thr Pro Gln Ser Xaa Xaa Ser Pro Thr Ala Thr Phe Glu
 1 5 10 15

Lys His Gly Glu His Leu Pro Arg Gly Glu Gly Arg Phe Gly Val Ser
 20 25 30

Arg Arg Arg His Asn Ser Ser Asp Gly Phe Phe Asn Asn Gly Pro Leu
35 40 45

Arg Thr Ala Gly Asp Ser Trp His Gln Xaa Ser Leu Phe Arg His Asp
50 55 60

Ser Val Asp Ser Gly Val
65 70

<210> 230

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 230

Ser Lys Gly Ala Tyr Ala Gly Ile Thr Gly Asn Pro Ser Gly Trp His
1 5 10 15

Ser Ser Ser Arg Gly His Asp Gly Met Ser Gln Arg Xaa Xaa Gly Gly
20 25 30

Thr Gly Asn His Arg His Trp Asn Gly Ser Phe His Ser Arg Lys Gly
35 40 45

Cys Ala Phe Gln Glu Lys Pro Pro
50 55

<210> 231

<211> 53

<212> PRT

<213> Homo sapiens

<400> 231

Arg Lys Leu Ser Thr Gly Pro Phe Ser Ala Cys Lys Pro Arg Ala Thr
1 5 10 15

Cys Cys Phe Thr Ser Cys Tyr Leu Gln Gln Leu Leu Asp Ala Thr Glu
20 25 30

Asp Gly His Pro Pro Lys Gly Lys Ala Ser Ser Leu Ile Pro Thr Cys
35 40 45

Leu Lys Ile Leu Gln
50

<210> 232
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 232
 Thr Ser Cys Tyr Leu Gln Gln Leu Leu Asp Ala Thr Glu Asp Gly His
 1 5 10 15
 Pro Pro Lys Gly Lys Ala Ser Ser Leu Ile Pro Thr Cys
 20 25

<210> 233
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 233
 Cys Cys Gly Ala Lys Arg Ile Met Lys Glu Ala Leu His Trp Ala Leu
 1 5 10 15
 Phe Ser Met Gln Ala Thr Gly His Val
 20 25

<210> 234
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 234
 Pro Pro Ala Gly Ala Thr Ser Pro Gly Arg Ile Ile Xaa Pro Xaa Ser
 1 5 10 15
 Ala Val Leu Ile Pro Ser Pro Val Lys Ser Tyr Arg Gly Trp Leu Val
 20 25 30

Met Gly Glu Pro Ser Arg Glu Glu Tyr Lys Ile Gln Ser Phe Asp Ala
 35 40 45

Glu Thr Gln Gln Leu Leu Lys Thr Ala Leu Lys Asp Pro Gly Ala Val
 50 55 60

Asp Leu Glu Lys Val Ala Asn Val Ile Val Asp His Ser Leu Gln Asp
 65 70 75 80

Cys Val Phe Ser Lys Glu Ala Gly Arg Met Xaa Tyr Ala Ile Ile Gln
 85 90 95

Ala Glu Ser Lys Gln Ala Gly Gln Ser Val Phe Arg Arg Gly Leu Leu
 100 105 110

Asn Arg Leu Gln Gln Glu Tyr Gln Ala Arg Glu Gln Leu Xaa Ala Arg
 115 120 125

Ser Leu Gln Gly Trp Val Cys Tyr Val Thr Phe Ile Cys Asn Ile Phe
 130 135 140

Asp Tyr Leu Arg Val Asn Asn Met Pro Met Met Ala Leu Val Asn Pro
 145 150 155 160

Val Tyr Asp Cys Leu Phe Arg Leu Ala Gln Pro Asp Ser Leu Ser Lys
 165 170 175

Glu Glu Glu Val Asp Cys Leu Val Leu Gln Leu His Arg Val Gly Glu
 180 185 190

Gln Leu Glu Lys
 195

<210> 235

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 235

Pro Gly Arg Ile Ile Xaa Pro Xaa Ser Ala Val Leu Ile Pro Ser Pro
 1 5 10 15

Val Lys Ser Tyr Arg Gly Trp Leu
 20

<210> 236
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 236
 Lys Gln Ala Gly Gln Ser Val Phe Arg Arg Gly Leu Leu Asn Arg Leu
 1 5 10 15
 Gln Gln Glu Tyr Gln Ala Arg Glu Gln
 20 25

<210> 237
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 237
 Tyr Asp Cys Leu Phe Arg Leu Ala Gln Pro Asp Ser Leu Ser Lys Glu
 1 5 10 15
 Glu Glu Val Asp Cys
 20

<210> 238
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 238
 Met Lys Arg Thr Ser Val Asn Pro Gln Thr Leu Cys Glu Ala Arg Pro
 1 5 10 15
 Ala Gly Xaa Ser Gln Gln Pro Leu Ser Leu Asp Ser Glu Ala Pro Arg
 20 25 30
 Gly Gly Val Ala Pro Pro Arg Leu Gln Gly Pro Pro Pro His Gln Arg
 35 40 45
 Val His Leu Thr Leu Glu Cys Thr Thr His Pro Thr Val Gly Lys Ala
 50 55 60
 Ser Val Leu Gly Pro Cys Leu Leu Leu Ser Cys Pro Arg Ala Pro
 65 70 75 80
 Ala Gly Pro Pro Pro Pro His Ser Arg Val Arg Ala Gly Gly Cys
 85 90 95
 Arg Pro Trp Ala Arg Arg Glu Gly His Cys Arg Pro Leu Gly Ala Asp
 100 105 110

Thr Asp Thr Ser Arg Ile Cys His Gly Arg Arg Pro Phe Ser Leu
 115 120 125

<210> 239
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 239
 Met Ser Leu Pro Ala Ala Pro Ala Gly Arg Leu Ser Pro Leu Tyr Trp
 1 5 10 15

Arg Ser Ser Asn Thr Arg Ser Gln Leu Ser Leu Leu Trp Glu Leu Gly
 20 25 30

His Phe Phe Thr Arg Cys Cys Arg Arg Pro His Pro Asn Pro His Leu
 35 40 45

Pro Ala Leu Ser Val Cys Arg Cys His Ile Leu His Lys Ile Met Leu
 50 55 60

Trp Glu Pro Ser Ser Pro Leu Leu Pro Ala Leu Pro
 65 70 75

<210> 240
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 240
 Met Thr Ser Pro Gly Gln Gly Arg Ala Gly Arg Arg Gly Asp Glu Gly
 1 5 10 15

Ser His Asn Met Ile Leu Cys Lys Ile Trp Gln Arg His Thr Leu Arg
 20 25 30

Ala Gly Arg Trp Gly Leu Gly Trp Gly Arg Arg Gln His Arg Val Lys
 35 40 45

Lys Cys Pro Ser Ser His Ser Lys Glu Ser Cys Asp Arg Val Phe Glu
 50 55 60

Leu Leu Gln Tyr Lys Gly Glu Ser Arg Pro Ala Gly Ala Ala Gly Arg
 65 70 75 80

Asp Ile Ile Trp Phe Pro
 85

<210> 241
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 241
 Pro Ser Leu Arg Gly Pro Lys Ala Gly Ala Pro Pro Arg Trp Arg Pro

1 5 10 15
Leu

<210> 242
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 242
Asn Leu Val Asp Pro Pro Xaa Cys Arg Asn Ser Ala Arg Glu Thr Leu
1 5 10 15

Lys Leu Gly Arg Val Glu Val Ser Ile
 20 25

<210> 243
<211> 7
<212> PRT
<213> Homo sapiens

<400> 243
Lys Ala Gly Ala Pro Pro Arg
1 5

<210> 244
<211> 6
<212> PRT
<213> Homo sapiens

<400> 244
Cys Arg Asn Ser Ala Arg
1 5

<210> 245
<211> 109
<212> PRT
<213> Homo sapiens

<400> 245
Gln Asp Ser Arg Lys Met Leu Pro Ser Thr Ser Val Asn Ser Leu Val
1 5 10 15

Gln Gly Asn Gly Val Leu Asn Ser Arg Asp Ala Ala Arg His Thr Ala
20 25 30

Gly Ala Lys Arg Tyr Lys Tyr Leu Arg Arg Leu Phe Arg Phe Arg Gln
35 40 45

Met Asp Phe Glu Phe Ala Ala Trp Gln Met Leu Tyr Leu Phe Thr Ser
50 55 60

Pro Gln Arg Val Tyr Arg Asn Phe His Tyr Arg Lys Gln Thr Lys Asp
65 70 75 80

Gln Trp Ala Arg Asp Asp Pro Ala Phe Leu Val Leu Leu Ser Ile Trp
85 90 95

Leu Cys Val Ser Thr Ile Gly Phe Gly Phe Val Leu Asp
100 105

<210> 246

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 246

Asn Xaa Gln Ser Arg Asp Tyr Asp Val Glu Trp Gly Tyr Ala Phe Asp
1 5 10 15

Val His Leu Asn Ala Phe Tyr Pro Leu Leu Val Ile Leu His Phe Ile
20 25 30

Gln Leu Phe Phe Ile Asn His Val Ile Leu Thr Asp Thr Phe Ile Gly
35 40 45

Tyr Leu Val Gly Asn Thr Leu Trp Leu Val Ala Val Gly Tyr Tyr Ile
50 55 60

Tyr Val Thr Phe Leu Gly Tyr Ser Ala Leu Pro Phe Leu Lys Asn Thr
65 70 75 80

Val Ile Leu Leu Tyr Pro Phe Ala Pro Leu Ile Leu Leu Tyr Gly Leu
85 90 95

Ser Leu Ala Leu Gly Trp Asn Phe Thr His Thr Leu Cys Ser Phe Tyr
100 105 110

Lys Tyr Arg Val Lys
115

<210> 247

<211> 45

<212> PRT

<213> Homo sapiens

<400> 247

Ser Val Asn Ser Leu Val Gln Gly Asn Gly Val Leu Asn Ser Arg Asp
1 5 10 15

Ala Ala Arg His Thr Ala Gly Ala Lys Arg Tyr Lys Tyr Leu Arg Arg
 20 25 30

Leu Phe Arg Phe Arg Gln Met Asp Phe Glu Phe Ala Ala
 35 40 45

<210> 248

<211> 23

<212> PRT

<213> Homo sapiens

<400> 248

Val Ile Leu Thr Asp Thr Phe Ile Gly Tyr Leu Val Gly Asn Thr Leu
 1 5 10 15

Trp Leu Val Ala Val Gly Tyr
 20

<210> 249

<211> 16

<212> PRT

<213> Homo sapiens

<400> 249

Gly Trp Asn Phe Thr His Thr Leu Cys Ser Phe Tyr Lys Tyr Arg Val
 1 5 10 15

<210> 250

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 250

Ser Ala Ser Xaa Thr Ser Phe Pro Gly Ile Asn Thr Glu Gly Val Ala
 1 5 10 15

Leu Ala Ser Tyr Gly Met Glu Asp Xaa Gly Trp Phe Xaa Pro Trp Cys
 20 25 30

Leu Leu Gln Gly Leu Arg Arg Lys Val Gln Ser Leu Gly Val Leu
 35 40 45

<210> 251

<211> 49

<212> PRT

<213> Homo sapiens

<400> 251

Phe Cys Gln Gly Glu Val Thr Arg Phe Val Ser Ser Ser Gln Arg Met
 1 5 10 15

Leu Thr Thr Asp Asp Lys Ala Val Val Leu Lys Arg Ile His Glu Val
 20 25 30

His Val Lys Met Asp Arg Ser Leu Glu Tyr Gln Pro Val Glu Cys Ala
 35 40 45

Ile

<210> 252

<211> 46

<212> PRT

<213> Homo sapiens

<400> 252

Val Ile Asn Ala Ala Gly Ala Trp Ser Ala Gln Ile Ala Ala Leu Ala
 1 5 10 15

Gly Val Gly Glu Gly Pro Pro Gly Thr Leu Gln Gly Thr Lys Leu Pro
 20 25 30

Val Glu Pro Arg Lys Arg Tyr Val Tyr Val Trp His Cys Pro
 35 40 45

<210> 253

<211> 48

<212> PRT

<213> Homo sapiens

<400> 253

Gln Gly Pro Gly Leu Glu Thr Pro Leu Val Ala Asp Thr Ser Gly Ala
 1 5 10 15

Tyr Phe Arg Arg Glu Gly Leu Gly Ser Asn Tyr Leu Gly Gly Arg Ser
 20 25 30

Pro Thr Glu Gln Glu Glu Pro Asp Pro Ala Asn Leu Glu Val Asp His
 35 40 45

<210> 254

<211> 47

<212> PRT

<213> Homo sapiens

<400> 254

Asp Phe Phe Gln Asp Lys Val Trp Pro His Leu Ala Leu Arg Val Pro
 1 5 10 15

Ala Phe Glu Thr Leu Lys Val Gln Ser Ala Trp Ala Gly Tyr Tyr Asp
 20 25 30

Tyr Asn Thr Phe Asp Gln Asn Gly Val Val Gly Pro His Pro Leu
 35 40 45

<210> 255

<211> 59

<212> PRT

<213> Homo sapiens

<400> 255

Val Val Asn Met Tyr Phe Ala Thr Gly Phe Ser Gly His Gly Leu Gln
 1 5 10 15

Gln Ala Pro Gly Ile Gly Arg Ala Val Ala Glu Met Val Leu Lys Gly
 20 25 30

Arg Phe Gln Thr Ile Asp Leu Ser Pro Phe Leu Phe Thr Arg Phe Tyr
 35 40 45

Leu Gly Glu Lys Ile Gln Glu Asn Asn Ile Ile
 50 55

<210> 256

<211> 46

<212> PRT

<213> Homo sapiens

<400> 256

Ile Arg His Glu Ser Ile Ser Gly Ser Asp Phe Glu Lys Phe Cys Cys
 1 5 10 15

Val Thr Gln Ile Arg Lys Ser His Ile Phe Gly Leu Val Pro Leu Arg
 20 25 30

Thr Lys Thr Cys Asn Lys Arg Tyr Leu Leu Ser Ser Phe Ala
 35 40 45

<210> 257

<211> 24

<212> PRT

<213> Homo sapiens

<400> 257

Cys Cys Val Thr Gln Ile Arg Lys Ser His Ile Phe Gly Leu Val Pro
 1 5 10 15

Leu Arg Thr Lys Thr Cys Asn Lys
 20

<210> 258

<211> 51

<212> PRT

<213> Homo sapiens

<400> 258

Asn Ser Ala Arg Ala Gly Ser Ser Arg Arg Arg Arg Ser Ile Gln Asn
 1 5 10 15

Gln Glu Ala Phe Asp Leu Asp Val Ala Val Lys Glu Asn Lys Asp Asp
 20 25 30

Leu Asn His Val Asp Leu Asn Val Cys Thr Ser Phe Ser Gly Pro Gly
 35 40 45

Arg Ser Gly
 50

<210> 259

<211> 21

<212> PRT

<213> Homo sapiens

<400> 259

Asn Gln Glu Ala Phe Asp Leu Asp Val Ala Val Lys Glu Asn Lys Asp
 1 5 10 15

Asp Leu Asn His Val
 20

<210> 260

<211> 16

<212> PRT

<213> Homo sapiens

<400> 260

Met Ile Asn Cys Gly Ile Leu Val Phe Lys Met Arg Ile Val Phe Lys
 1 5 10 15

<210> 261

<211> 20

<212> PRT

<213> Homo sapiens

<400> 261

Pro Met Val Leu Lys Leu Lys Asp Trp Pro Pro Gly Glu Asp Phe Arg
 1 5 10 15

Asp Met Met Pro
 20

<210> 262

<211> 16

<212> PRT

<213> Homo sapiens

<400> 262

Tyr Phe Val Arg Pro Asp Leu Gly Pro Lys Met Tyr Asn Ala Tyr Gly
 1 5 10 15

<210> 263

<211> 9

<212> PRT

<213> Homo sapiens

<400> 263

Asn Ser Ala Arg Glu Asp Gly Gln Pro
 1 5

<210> 264

<211> 8

<212> PRT

<213> Homo sapiens

<400> 264

Leu Asn Leu Ala Ser Arg Leu Pro
 1 5

<210> 265

<211> 114

<212> PRT

<213> Homo sapiens

<400> 265

Asn Ser Ala Arg Glu Asp Gly Gln Pro Met Val Leu Lys Leu Lys Asp
 1 5 10 15

Trp Pro Pro Gly Glu Asp Phe Arg Asp Met Met Pro Thr Arg Phe Glu
 20 25 30

Asp Leu Met Glu Asn Leu Pro Leu Pro Glu Tyr Thr Lys Arg Asp Gly
 35 40 45

Arg Leu Asn Leu Ala Ser Arg Leu Pro Ser Tyr Phe Val Arg Pro Asp

50

55

60

Leu Gly Pro Lys Met Tyr Asn Ala Tyr Gly Met Arg Glu Arg Leu Lys
65 70 75 80

Leu Leu Phe Trp Gly Thr Val Val Leu Ile Ser Thr Ile Glu Gly Tyr
85 90 95

Leu Trp Ser Met Ser Gly Ile Glu Met Ile Ala Gly Lys Cys Trp Arg
100 105 110

Ser Glu

<210> 266

<211> 14

<212> PRT

<213> Homo sapiens

<400> 266

Glu Phe Gly Thr Arg Ser Val Ser Ile Gly Tyr Trp Met Gly
1 5 10

<210> 267

<211> 167

<212> PRT

<213> Homo sapiens

<400> 267

Tyr Phe Val Leu Leu Cys Pro Ser Asp Leu Val Leu Gln Ala Pro Pro
1 5 10 15

Leu Gly Cys Leu Leu Tyr Thr Ser His Lys Gly Leu Trp Ala Val Met
20 25 30

Lys Met Lys Ile Ile Leu Arg Thr Leu Leu Val Trp His Ala Ile Thr
35 40 45

Asp Asp Asp Val Asp Asp Asp Ser Asp Glu Gly Ala Met Ala Ala Ile
50 55 60

Ala Arg Tyr Met Pro Asp Ser Val Leu Met Thr Leu Ala Glu Phe Glu
65 70 75 80

Thr Ala Arg Glu Ala Trp Asn Ala Leu Lys Lys Met Arg Ile Gly Glu
85 90 95

Asp Arg Val Thr Lys Ala Trp Thr Gln Val Leu Lys Arg Gln Phe His
100 105 110

Lys Leu His Met Glu Glu Thr Glu Ser Val Asn Asp Tyr Ala Met Cys
115 120 125

Leu Thr Thr Leu Val Gly Glu Phe Arg Ala Leu Gly Ala Lys Leu Asp
130 135 140

Glu Thr Glu Ile Val Glu Lys Ile Phe Ser Ser Val Thr Asp Lys Phe
 145 150 155 160

Thr Tyr Ile Ile Gly Thr Leu
 165

<210> 268

<211> 27

<212> PRT

<213> Homo sapiens

<400> 268

Leu Val Leu Gln Ala Pro Pro Leu Gly Cys Leu Leu Tyr Thr Ser His
 1 5 10 15

Lys Gly Leu Trp Ala Val Met Lys Met Lys Ile
 20 25

<210> 269

<211> 25

<212> PRT

<213> Homo sapiens

<400> 269

Ala Ile Ala Arg Tyr Met Pro Asp Ser Val Leu Met Thr Leu Ala Glu
 1 5 10 15

Phe Glu Thr Ala Arg Glu Ala Trp Asn
 20 25

<210> 270

<211> 24

<212> PRT

<213> Homo sapiens

<400> 270

Ala Met Cys Leu Thr Thr Leu Val Gly Glu Phe Arg Ala Leu Gly Ala
 1 5 10 15

Lys Leu Asp Glu Thr Glu Ile Val
 20

<210> 271

<211> 10

<212> PRT

<213> Homo sapiens

<400> 271

Val Ala Pro Ser His Arg Val His Cys Gln
 1 5 10

<210> 272

<211> 16

<212> PRT
 <213> Homo sapiens

<400> 272
 Leu Arg Gln Ser Leu Ala Leu Ser Ser Arg Leu Glu Cys Ser Gly Ala
 1 5 10 15

<210> 273
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 273
 Asp Ala Tyr Asn Ser Ile His Phe Val Asp Thr Ile Ile Ala Arg Thr
 1 5 10 15

Lys Ile

<210> 274
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 274
 Arg Gly Ile Arg Phe Cys Gln Met Leu Ser Leu His Lys Thr Ser Ser
 1 5 10 15

Leu Pro Leu Leu Phe Asn Leu Glu Ala Phe Ser Met Pro Pro Ala
 20 25 30

<210> 275
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 275
 Leu Ala Ile Ser His Ser Tyr Lys Ser Leu Leu Gln Gly Ile Pro Gly
 1 5 10 15

Ser Ser Tyr Phe Lys Val Pro Thr His His Ser Xaa Ile Phe Ser Ile
 20 25 30

His Ala Thr Thr Glu Pro Ser Lys Tyr Ser Ala Ile Met Lys Pro Thr
 35 40 45

Gln Gln Ser His Ile Ala Phe Phe Phe Lys Lys Lys Asn Lys
 50 55 60

<210> 276
 <211> 34

<212> PRT

<213> Homo sapiens

<400> 276

Gln Gly Ile Pro Gly Ser Ser Tyr Phe Lys Val Pro Thr His His Ser
 1 5 10 15

Xaa Ile Phe Ser Ile His Ala Thr Thr Glu Pro Ser Lys Tyr Ser Ala
 20 25 30

Ile Met

<210> 277

<211> 6

<212> PRT

<213> Homo sapiens

<400> 277

Trp Leu Phe Leu Lys Glu
 1 5

<210> 278

<211> 9

<212> PRT

<213> Homo sapiens

<400> 278

Ile Arg His Glu Asp Gln Ala Pro Ala
 1 5

<210> 279

<211> 34

<212> PRT

<213> Homo sapiens

<400> 279

Ile Arg His Glu Leu Ala Cys Ser Arg Thr Gly Phe Leu Ala Leu Ser
 1 5 10 15

Gln Cys Ser Phe Pro His Thr Thr Leu Thr Gly Phe Pro Gly Gln Arg
 20 25 30

Ala Gly

<210> 280

<211> 100

<212> PRT

<213> Homo sapiens

<400> 280

Ile Leu Ser Val Met Glu Ser Ser Pro Leu Ser Lys Gly Leu Gly Lys
 1 5 10 15

Gly Gly Val Leu Val Thr Thr Glu Thr Val Glu Thr Asn Leu His Val
20 25 30

Pro Gln Met Ile Leu Phe Gln Gly Ser Leu Met Ser Met Lys Glu Leu
35 40 45

Asp Leu Ser Leu Thr Ser Leu Gln Ser Val Cys Ser Leu Gln Met Gly
50 55 60

Lys Gln Arg Leu Asn Glu Val Lys Leu Gly Ile Phe Leu Asn Ser Val
65 70 75 80

Phe Pro Ser Thr Asp Ser Gly Ala Phe Arg Cys Gln Met Arg Ile Asp
85 90 95

Gly Trp Val Arg
100

<210> 281

<211> 21

<212> PRT

<213> Homo sapiens

<400> 281

Gly Val Leu Val Thr Thr Glu Thr Val Glu Thr Asn Leu His Val Pro
1 5 10 15

Gln Met Ile Leu Phe
20

<210> 282

<211> 30

<212> PRT

<213> Homo sapiens

<400> 282

Leu Gln Met Gly Lys Gln Arg Leu Asn Glu Val Lys Leu Gly Ile Phe
1 5 10 15

Leu Asn Ser Val Phe Pro Ser Thr Asp Ser Gly Ala Phe Arg
20 25 30

<210> 283

<211> 84

<212> PRT

<213> Homo sapiens

<400> 283

Glu Leu Val Glu Ser Pro Gly Leu Ala Gly Ile Arg His Glu Thr Ser
1 5 10 15

Thr Asn Ser Ser Leu Ser Thr Asp Asn Leu Thr Ser Ile Phe Thr Glu
20 25 30

Thr Lys Lys Lys Asn Gln Met Ser Tyr Ala His His Val Thr Val Phe
 35 40 45

Pro Asn Tyr Leu Pro Leu Cys Thr Pro Pro His Cys Leu Leu Gln Leu
 50 55 60

Leu Ser Arg Ala Ser Ala Ser Ala His Val Leu Glu Pro Val Pro Pro
 65 70 75 80

Pro Phe Ser Ser

<210> 284

<211> 31

<212> PRT

<213> Homo sapiens

<400> 284

Thr Ser Thr Asn Ser Ser Leu Ser Thr Asp Asn Leu Thr Ser Ile Phe
 1 5 10 15

Thr Glu Thr Lys Lys Lys Asn Gln Met Ser Tyr Ala His His Val
 20 25 30

<210> 285

<211> 50

<212> PRT

<213> Homo sapiens

<400> 285

Val Met Pro Ile Thr Ser Pro Tyr Ser Gln Thr Thr Cys Leu Cys Ala
 1 5 10 15

His His Leu Thr Ala Cys Cys Ser Tyr Cys Pro Gly Pro Ala Pro Leu
 20 25 30

Pro Met Tyr Trp Ser Leu Ser Leu His Pro Phe Gln Ala Cys Tyr Ser
 35 40 45

Ile Lys

50

<210> 286

<211> 29

<212> PRT

<213> Homo sapiens

<400> 286

Cys Ala His His Leu Thr Ala Cys Cys Ser Tyr Cys Pro Gly Pro Ala
 1 5 10 15

Pro Leu Pro Met Tyr Trp Ser Leu Ser Leu His Pro Phe
 20 25

<210> 287
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 287
 Glu His Phe Leu Leu Leu Tyr Arg Ile Lys Met Leu Tyr Phe Leu
 1 5 10 15
 Pro Ser Leu Lys Lys Lys Lys Ser Leu Leu Thr Leu Tyr Leu Pro Pro
 20 25 30
 Ala Thr Asn Cys Ile Xaa Leu Leu Cys Phe Lys Glu Lys Lys
 35 40 45

<210> 288
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 288
 Asn Ser Ala Arg Glu Lys Asn Lys Asn
 1 5

<210> 289
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 289
 Ala Gln Gln Phe Ile Asn Asn Ile Met Gly Ser Leu Ser Tyr Gly Gln
 1 5 10 15
 Arg Glu Lys Lys Lys Asn Pro Lys Gln Gln Ser Leu Ser Cys Pro Leu
 20 25 30
 Gly Gly Thr Ala Pro Gln Asp Gly Glu Lys Gly Ser Leu Pro Ser Lys
 35 40 45
 Val Leu Phe Leu Glu Ala Phe His Ser Gln Ile Leu Leu Leu Leu Leu
 50 55 60
 Leu Pro Pro Pro Trp Met Thr Trp Gly Leu Thr His Glu Ser Met Glu
 65 70 75 80
 Phe Ser Gln Ala Ala Glu His Ser Gly Ser His Leu
 85 90

<210> 290
 <211> 24

<212> PRT

<213> Homo sapiens

<400> 290

Gly Thr Ala Pro Gln Asp Gly Glu Lys Gly Ser Leu Pro Ser Lys Val
 1 5 10 15

Leu Phe Leu Glu Ala Phe His Ser
 20

<210> 291

<211> 123

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 291

Gln Asp Leu Thr Leu Leu Pro Arg Leu Glu Cys Ser Gly Thr Ile Thr
 1 5 10 15

Ala Xaa His Asn Leu Lys Leu Leu Gly Ser Ser Tyr Xaa Pro Ala Ser
 20 25 30

Ser Pro Gln Ser Ala Arg Ile Thr Gly Val Ser His Cys Ala Gln Gln
 35 40 45

Leu Gly Lys Thr Pro Tyr Ser His Val Ser Val Pro Arg Ser Ser Met
 50 55 60

Val Gly Ala Ala Ala Thr Lys Glu Ser Gly Asn Gly Lys Pro Pro
 65 70 75 80

Gly Thr Lys Leu Leu Lys Glu Gly Asn Leu Ser Leu His Pro Val Glu
 85 90 95

Pro Cys Leu Gln Val Gly Arg Thr Asn Ser Val Val Leu Gly Phe Phe
 100 105 110

Ser Ser Leu Ser Val His Arg Lys Val Thr Pro
 115 120

<210> 292

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 292
 Ser Gly Thr Ile Thr Ala Xaa His Asn Leu Lys Leu Leu Gly Ser Ser
 1 5 10 15

Tyr Xaa

<210> 293
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 293
 Val Glu Pro Cys Leu Gln Val Gly Arg Thr Asn Ser Val Val Leu Gly
 1 5 10 15

Phe Phe Ser Ser Leu Ser Val His
 20

<210> 294
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 294
 Cys Phe Phe Cys Leu Ser Thr
 1 5

<210> 295
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 295
 Asn Leu Arg His Gly Leu Lys Thr Leu Phe Arg Leu Thr Trp Lys Ile
 1 5 10 15

Asn Met Ile Leu Ser Ser Phe Lys Asp Leu Thr Glu Gly Ser Thr Glu
 20 25 30

Glu Thr Phe Asn Phe Lys Ile Ile Phe Ser Cys Ile Asn Ile Leu Trp
 35 40 45

Glu Asn Asn Phe Lys Asn Arg Ile Val Leu Arg Gln Lys Lys His Gln
 50 55 60

Ser Ala Phe Pro Phe Glu Ser Leu Ser Asp Ser Ser Gln Ala Lys Met
 65 70 75 80

Phe Asn Ser Leu Val Val Pro Ser Asn Ile
 85 90

<210> 296
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 296
 Asn Met Ile Leu Ser Ser Phe Lys Asp Leu Thr Glu Gly Ser Thr Glu
 1 5 10 15

Glu Thr Phe Asn Phe Lys Ile Ile Phe Ser
 20 25

<210> 297
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 297
 Lys His Gln Ser Ala Phe Pro Phe Glu Ser Leu Ser Asp Ser Ser Gln
 1 5 10 15

Ala Lys Met Phe Asn Ser Leu
 20

<210> 298
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 298
 Val Lys Pro Asp Pro Pro Arg Ala Pro Gly Glu Asn Glu Asp Ser Ser
 1 5 10 15

Val Pro Glu Thr Pro Asp Asn Glu Arg Lys Ala Ser Ile Ser Tyr Phe
 20 25 30

Lys Asn Gln Arg Gly Ile Gln Tyr Ile Asp Leu Ser Ser Asp Ser Glu
 35 40 45

Asp Val Val Ser Pro Asn Cys Ser Asn Thr Val Gln Glu Lys Thr Phe
 50 55 60

Asn Lys Asp Thr Val Ile Val Ser Glu Pro Ser Glu Asp Glu Glu
 65 70 75 80

Ser Gln Gly Leu Pro Thr Met Ala Arg Arg Asn Asp Asp Ile Ser Glu
 85 90 95

Leu Glu Asp Leu Ser Glu Leu Glu Asp Leu Lys Asp Ala Lys Leu Gln

100

105

110

Thr Leu Lys Glu Leu Phe Pro Gln Arg Ser Asp Asn Asp Leu Leu Lys
 115 120 125

Val Ile Phe Ile Gly Tyr Cys Ser Cys Asn Asp Asp Lys Ile Ser Pro
 130 135 140

Ala Phe Ser Ala Ile Val Ser Ser Gly
 145 150

<210> 299

<211> 17

<212> PRT

<213> Homo sapiens

<400> 299

Lys Asp Ala Lys Leu Gln Thr Leu Lys Glu Leu Phe Pro Gln Arg Ser
 1 5 10 15

Asp

<210> 300

<211> 16

<212> PRT

<213> Homo sapiens

<400> 300

Lys Asp Thr Val Ile Ile Val Ser Glu Pro Ser Glu Asp Glu Glu Ser
 1 5 10 15

<210> 301

<211> 16

<212> PRT

<213> Homo sapiens

<400> 301

Glu Asp Ser Ser Val Pro Glu Thr Pro Asp Asn Glu Arg Lys Ala Ser
 1 5 10 15

<210> 302

<211> 21

<212> PRT

<213> Homo sapiens

<400> 302

Ser Leu Ile Leu Gln Glu His Gln Glu Lys Met Lys Ile Leu Val Phe

1

5

10

15

Gln Lys Leu Gln Ile
20

<210> 303

<211> 7

<212> PRT

<213> Homo sapiens

<400> 303

Glu Asp Ser Ser Val Pro Glu
1 5

<210> 304

<211> 8

<212> PRT

<213> Homo sapiens

<400> 304

Pro Asp Asn Glu Arg Lys Ala Ser
1 5

<210> 305

<211> 7

<212> PRT

<213> Homo sapiens

<400> 305

Tyr Ile Asp Leu Ser Ser Asp
1 5

<210> 306

<211> 12

<212> PRT

<213> Homo sapiens

<400> 306

Ile Ile Val Ser Glu Pro Ser Glu Asp Glu Glu Ser
1 5 10

<210> 307

<211> 18

<212> PRT

<213> Homo sapiens

<400> 307

Leu Lys Asp Ala Lys Leu Gln Thr Leu Lys Glu Leu Phe Pro Gln Arg
1 5 10 15

Ser Asp

<210> 308
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 308
 Ala Gly Pro Asp Ala Pro Gly Leu Trp Gly
 1 5 10

<210> 309
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 309
 Met Leu Phe Pro Ser Leu Leu Leu Leu Gln Ala Leu Val His Val Phe
 1 5 10 15
 Val Leu Val Lys Leu Glu Tyr Ile Val Ile Ser Leu Asp His Thr Pro
 20 25 30
 Asn Phe Lys Xaa Ser Val Lys Asn Ile Glu Val Leu Val Gly Leu Ala
 35 40 45
 Leu Ala Thr Tyr Glu
 50

<210> 310
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 310
 Phe Val Leu Val Lys Leu Glu Tyr Ile Val Ile Ser Leu Asp His Thr
 1 5 10 15
 Pro Asn Phe Lys Xaa Ser Val Lys Asn Ile Glu Val
 20 25

<210> 311
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 311

Phe Gln Leu Asp Lys Phe Leu Ser

1

5

<210> 312

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 312

Gln	Arg	Gln	Val	Met	Arg	Ser	Phe	Leu	Phe	Ser	Phe	Ser	Phe	Phe	Val
1					5				10					15	

Gly	Gly	Gly	Asp	Arg	Val	Ser	Leu	Cys	His	Pro	Gly	Arg	Ser	Val	Val
			20					25					30		

Val	Gln	Ser	Arg	Leu	Thr	Ala	Ile	Ser	Pro	His	Pro	Thr	Ser	Arg	Phe
		35				40						45			

Lys	Arg	Phe	Leu	Cys	Leu	Arg	Leu	Leu	Ser	Ser	Trp	His	Tyr	Arg	Cys
	50				55						60				

Thr	Pro	Xaa	Arg	Trp	Ala	Lys	Phe	Cys	Ile	Leu	Val	Gly	Met	Gly	Phe
65				70					75						80

His	His	Val	Leu	Arg	Phe	Thr	Met	Leu	Ala	Arg	Leu	Val	Leu	Asp	Ser
			85					90						95	

Trp	Pro	Glu	Val	Ile	Cys	Leu	Pro	Ser	Val	Ser	Gln	Lys	Cys	Trp	Asp
		100					105						110		

Tyr	Arg	Arg	Glu	Pro	Pro	His	Ser	Ala	Glu	Lys	Phe	Phe
			115				120					125

<210> 313

<211> 27

<212> PRT

<213> Homo sapiens

<400> 313

Pro	Gly	Arg	Ser	Val	Val	Val	Gln	Ser	Arg	Leu	Thr	Ala	Ile	Ser	Pro
1					5					10					15

His	Pro	Thr	Ser	Arg	Phe	Lys	Arg	Phe	Leu	Cys
			20				25			

<210> 314

<211> 30

<212> PRT

<213> Homo sapiens

<400> 314

Met Gly Phe His His Val Leu Arg Phe Thr Met Leu Ala Arg Leu Val
 1 5 10 15

Leu Asp Ser Trp Pro Glu Val Ile Cys Leu Pro Ser Val Ser
 20 25 30

<210> 315

<211> 9

<212> PRT

<213> Homo sapiens

<400> 315

Glu Phe Leu Lys Ser Thr Leu Asp Gly
 1 5

<210> 316

<211> 74

<212> PRT

<213> Homo sapiens

<400> 316

Ser Lys Arg Arg Lys Lys Val Ser Trp Leu His Phe Val Phe Ser Ile
 1 5 10 15

Thr Phe Leu Val Ile Asp Leu Val Ile Asp Asn Gly Val Thr Ala Leu
 20 25 30

Glu Thr Phe Phe Pro Ser Gly Ile Asp Ala Tyr Arg Thr Ala Pro Trp
 35 40 45

Pro Leu Asp Gln Ala Gln Arg Asn Leu Gln Pro Glu Ala Leu Val Pro
 50 55 60

Ala His Pro Ser Tyr Val Gly Pro Trp Arg
 65 70

<210> 317

<211> 21

<212> PRT

<213> Homo sapiens

<400> 317

Ser Ile Thr Phe Leu Val Ile Asp Leu Val Ile Asp Asn Gly Val Thr
 1 5 10 15

Ala Leu Glu Thr Phe
 20

<210> 318

<211> 22

<212> PRT

<213> Homo sapiens

<400> 318

Ala Pro Trp Pro Leu Asp Gln Ala Gln Arg Asn Leu Gln Pro Glu Ala
 1 5 10 15

Leu Val Pro Ala His Pro
 20

<210> 319

<211> 14

<212> PRT

<213> Homo sapiens

<400> 319

Arg Thr Pro Phe Ser Ile Ser Tyr Ser Ile Gly Leu Val Leu
 1 5 10

<210> 320

<211> 40

<212> PRT

<213> Homo sapiens

<400> 320

Met Arg Ser Leu Ser Phe Leu Phe Thr Trp Glu Asn Leu Tyr Phe Ser
 1 5 10 15

Phe Thr Phe Glu Val Tyr Phe Tyr Trp Met Tyr Tyr Ser Arg Met Lys
 20 25 30

Val Phe Ser Phe Asn Thr Leu Asn
 35 40

<210> 321

<211> 25

<212> PRT

<213> Homo sapiens

<400> 321

Met Leu Cys His Phe Leu Leu Ala Cys Lys Val Ser Leu Arg Ser Leu
 1 5 10 15

Leu Gln Asp Val Trp Glu Leu Ile Cys
 20 25

<210> 322

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 322

Met Leu Phe Val Ser Phe Leu Xaa Leu Pro Ser Phe Lys Ile Leu Ser
 1 5 10 15

Leu Ser Leu Thr Phe Gly Ser Leu Ile Ile Lys Cys Leu
 20 25

<210> 323

<211> 24

<212> PRT

<213> Homo sapiens

<400> 323

Leu Ile Thr Leu His Leu Ile Leu Phe Pro Phe Leu Thr Phe Tyr Leu
 1 5 10 15

Phe Ile Tyr Tyr Ser Ala Met Ser
 20

<210> 324

<211> 30

<212> PRT

<213> Homo sapiens

<400> 324

Lys Val Val Val Ile Ile Leu Ile Gly Leu Ser Phe Ser Leu Ser
 1 5 10 15

Thr Gln Asp Met Ser Ser Leu His Thr Thr Ile Ala Val Ser
 20 25 30

<210> 325

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Leu Ser Xaa Thr Leu Trp Gly Asn Gly Val Asp Ser Gly Gly Leu Ala
 1 5 10 15

Phe Phe Pro Arg Leu Gly Val Gly Glu Thr Arg Leu Gly Ala Ser Thr
 20 25 30

Ser Glu Cys Pro Pro Asn Arg Ala Val
 35 40

<210> 326

<211> 69

<212> PRT

<213> Homo sapiens

<400> 326

Gly Asp Gly Gly Trp Pro Pro Gln Leu Tyr Ser Pro Glu Gln Glu Val
1 5 10 15

Val Gly Arg Gly Gln Glu Trp Ile Leu Lys Ala Lys Phe Ser Asp Pro
20 25 30

Val Gly Thr Arg Thr Gly Lys Leu Ser Ser Ser Ser Gln Gly Gln Arg
35 40 45

Ile Trp Val Phe Val Gly Phe Cys Pro Gln Pro Gln Asn Ser Arg Ser
50 55 60

Glu Ser Gly Ile Ser
65

<210> 327

<211> 11

<212> PRT

<213> Homo sapiens

<400> 327

Arg Gln Ala Ser Leu Pro Ser Pro Cys Thr Arg
1 5 10

<210> 328

<211> 8

<212> PRT

<213> Homo sapiens

<400> 328

Asn Ser Ala Arg Gly Gln His Glu
1 5

<210> 329

<211> 47

<212> PRT

<213> Homo sapiens

<400> 329

Asp Tyr Arg Arg Glu His Arg Thr Trp Ser Asp Phe Phe Phe Lys Cys
1 5 10 15

Lys Ser Asp Tyr Val Thr Leu Leu Leu Glu Ala Pro Gln Trp Leu Pro
20 25 30

Met Ala Val Arg Val Arg Ala Ser Pro Arg Pro Gly Phe Pro Pro
35 40 45

<210> 330

<211> 49

<212> PRT

<213> Homo sapiens

<400> 330

Val Ala Pro Gly Phe Arg Leu Leu Leu Tyr Ser Tyr Pro Glu Leu Arg
1 5 10 15

Gln Ala Leu Ser Gln Pro Arg Pro Leu Leu Pro Leu Ser Gly Thr Thr
20 25 30

Phe Pro Gly Leu Phe Val Pro Phe Ile Leu Lys Ser Pro Pro Gln Arg
35 40 45

Ala

<210> 331

<211> 47

<212> PRT

<213> Homo sapiens

<400> 331

Leu Leu Ser His Ser Leu Ser Ser Pro Cys Leu Leu Pro Ser His Tyr
1 5 10 15

Leu Val Ser Leu Glu Ala Tyr Val Cys Leu Pro Ser Val Glu Cys Gly
20 25 30

Pro His Gly Thr Gly Pro Ser Gly Ser Leu Leu Cys Ser Gly Leu
35 40 45

<210> 332

<211> 35

<212> PRT

<213> Homo sapiens

<400> 332

Ser Lys Asp Ala Ser Val Arg Leu Asp Val Ala Leu Ala Gly Trp Leu
1 5 10 15

Gly Val Pro Pro Gly Val Ile Cys Cys His Leu Leu Thr Cys Pro Arg
20 25 30

Cys Cys Leu
35

<210> 333

<211> 52

<212> PRT

<213> Homo sapiens

<400> 333

Glu Phe Gly Thr Arg Met Gly Phe His His Val Gly Gln Ala Gly Leu
1 5 10 15

Glu Leu Leu Thr Leu Gly Asp Arg Pro Ala Ser Ala Ser Gln Asn Ala

20

25

30

Glu Ile Thr Gly Val Ser Thr Ala Pro Gly Leu Ile Phe Phe Leu Asn
 35 40 45

Ala Asn Gln Thr
 50

<210> 334

<211> 25

<212> PRT

<213> Homo sapiens

<400> 334

Met Leu Leu Val Ser Leu Leu Ser Ile Ala Arg Ile Thr Phe Ile Leu
 1 5 10 15

Val Pro Asn Lys Phe Leu Ile Ser Ile
 20 25

<210> 335

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 335

Glu Ile Thr Ser Ala Trp Thr Leu Leu Ser Ile Ser Leu Ser Ala Phe
 1 5 10 15

Trp Ser Lys Ser Phe Asn Lys Ser Leu Arg Ser Ser Lys Leu Ser His
 20 25 30

Val Phe Leu Phe Phe Ser Glu Pro Ser Lys Leu Phe Gln Pro Leu Pro
 35 40 45

Ile Thr Gln Phe Gln Ser Cys Phe His Ile Phe Glu Tyr Xaa Ile Ala
 50 55 60

Xaa Pro Thr Leu Cys Ser
 65 70

<210> 336

<211> 52

<212> PRT

<213> Homo sapiens

<400> 336

Leu Leu Arg Ser Arg Leu Asn Ser Arg Ser Leu Cys Val Ser Val Phe
 1 5 10 15

Val Phe Gln Gln Ile Phe Leu Lys Asn Gln Pro Leu Lys Arg Asn Gly
 20 25 30

Asn His Trp Pro Leu Ser Pro Pro Pro His Leu Arg Ser Pro Lys Ser
 35 40 45

Arg Cys Val His
 50

<210> 337

<211> 63

<212> PRT

<213> Homo sapiens

<400> 337

Glu Ile Phe Val Gly Lys Gln Lys Leu Thr His Ile Lys Thr Leu Asn
 1 5 10 15

Ser Ile Tyr Ser Leu Ile Val Arg Lys Glu Arg Arg Arg Glu Gly Lys
 20 25 30

Lys Met Glu Lys Lys Ile Gly Lys Lys Gly Lys Lys Arg Glu Lys Gly
 35 40 45

Leu Asp Val Val Ala His Ala Cys Asn Pro Ser Thr Leu Glu Gly
 50 55 60

<210> 338

<211> 40

<212> PRT

<213> Homo sapiens

<400> 338

Phe Tyr Ile Asn Lys Ile Ile Lys Tyr Pro Gly Ile Thr Glu Met Thr
 1 5 10 15

Tyr Arg Gly Ser Ser Lys Ala Trp Lys Tyr Ser Met Val Thr Glu Leu
 20 25 30

Lys Lys Gly Lys Cys Gln Met Leu
 35 40

<210> 339

<211> 19

<212> PRT

<213> Homo sapiens

<400> 339

Gly Gln Phe Ser Ser Leu Phe Tyr Phe Tyr Phe Cys Ser Leu Ser Asp
 1 5 10 15

Ile Ala Gly

<210> 340
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 340
 Ile Trp Met Glu Ile
 1 5

<210> 341
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 341
 Asn Ser Ala Arg Gly Ala Ile
 1 5

<210> 342
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 342
 Tyr Asn His Ile Tyr Lys Val Pro Leu Ala Ile Glu Val Thr Tyr Leu
 1 5 10 15

Tyr Val Phe Ile Ile Arg
 20

<210> 343
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 343
 Tyr Asn His Ile Tyr Lys Val Pro Leu Ala Ile Glu Val Thr Tyr Leu
 1 5 10 15

Tyr Val Phe Ile Ile Arg
 20

<210> 344
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 344
 Ile Lys Cys Arg Trp Gly Glu Glu Glu Asn Ser Lys

1

5

10

<210> 345

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345

Thr	Thr	Tyr	Leu	Leu	Asn	Asn	Tyr	Phe	Asp	Cys	Leu	Tyr	Ser	Tyr	His
1				5					10					15	

Asp	Ala	Thr	Phe	Xaa	His	Leu	Cys	Ser	Val	His	Xaa	Ile	Leu	Thr	Glu
			20					25					30		

Cys	Leu	Glu	Met	Leu	Asp	Phe	Arg	Phe	Gln	Leu	Cys	Cys	Gly
	35					40						45	

<210> 346

<211> 62

<212> PRT

<213> Homo sapiens

<400> 346

Met	Ala	Ser	Thr	Pro	Ser	Val	Lys	Leu	Gln	Arg	Ser	Ser	Asp	Asp	Cys
1				5					10					15	

Tyr	Phe	His	His	Tyr	Tyr	Ser	Ser	Ser	Leu	Val	Arg	Lys	Thr	Lys	Ala
			20					25					30		

Gln	Arg	Ala	Tyr	Ser	Gln	Asp	Leu	Asn	Leu	Phe	Phe	Pro	Ser	Leu	Ser
	35						40							45	

Phe	Ile	Ser	Tyr	Phe	Gln	Asn	Glu	Tyr	Asn	Asn	Ser	Thr	Ser
	50				55						60		

<210> 347

<211> 27

<212> PRT

<213> Homo sapiens

<400> 347

His	His	Tyr	Tyr	Ser	Ser	Ser	Leu	Val	Arg	Lys	Thr	Lys	Ala	Gln	Arg
1				5					10					15	

Ala	Tyr	Ser	Gln	Asp	Leu	Asn	Leu	Phe	Phe	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20

25

<210> 348

<211> 26

<212> PRT

<213> Homo sapiens

<400> 348

Ile	Arg	His	Glu	Leu	Met	Val	Phe	Ile	Thr	Tyr	Met	Ser	His	His	Ser
1				5					10					15	

Cys	Thr	Thr	Val	Ala	Asn	Ile	Asn	Ile	Lys
	20						25		

<210> 349

<211> 35

<212> PRT

<213> Homo sapiens

<400> 349

Asp	Ser	Leu	Ile	Leu	Ala	Thr	Tyr	Ser	Val	Ser	Trp	Asn	Leu	Phe	Pro
1				5					10					15	

Asn	Met	Ile	Glu	Lys	Lys	Pro	Arg	Thr	Trp	Gln	Leu	Leu	Leu	Phe	Phe
			20				25						30		

Ser	Leu	Glu
		35

<210> 350

<211> 15

<212> PRT

<213> Homo sapiens

<400> 350

Glu	Phe	Gly	Thr	Ser	Ser	Asn	Lys	Gln	Thr	Asn	Lys	Gln	Thr	Ser
1				5					10					15

<210> 351

<211> 41

<212> PRT

<213> Homo sapiens

<400> 351

Pro	Gln	Tyr	Tyr	Ser	His	Lys	Gln	Gly	Val	Pro	Arg	Gln	Ser	Ile	Thr
1				5					10					15	

Glu	His	Lys	Gln	Lys	Met	Leu	Thr	Leu	Gln	Val	Ser	Phe	Leu	Ser	Thr
			20				25						30		

Ile	Lys	Val	Gly	Ala	Asn	Asn	Thr	Arg
			35				40	

<210> 352
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 352
 Ile Phe Leu His Leu Thr Arg Leu Lys Ser Ser Thr Pro Tyr Pro Cys
 1 5 10 15

Ala Ile Ile Cys Thr Arg Lys Tyr Met Ile Arg Arg Xaa Arg Thr Pro
 20 25 30

Ser Cys His Gln Leu Phe
 35

<210> 353
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 353
 Ser Thr Arg Arg Val Leu Ile Asp Phe His Ser Glu Asn Leu Val Gly
 1 5 10 15

Asn Thr His Leu Ser Met Gly Ser Cys Val Arg Pro Asp Pro Trp Ser
 20 25 30

Phe Lys Phe Ser Gly Trp Phe Asn Leu Ser
 35 40